

**University of Massachusetts Lowell**  
Continuing Studies, Corporate & Distance Education  
<http://continuinged.uml.edu>



**2007**  
**summer**

THIS SUMMER HAVE THE **BEST OF**  
**BOTH WORLDS!**

**PURSUE YOUR EDUCATION**  
**ONLINE OR**  
**ON CAMPUS!**



**Classes Begin May 21, 2007**  
**Undergraduate & Graduate Courses**

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Continuing Studies, Corporate & Distance Education  
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(978) 934-2480

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UMass Lowell





## GREAT programs ONLINE

ONE CONVENIENT  
WAY TO TAKE  
COURSES!

# THIS SUMMER HAVE THE BEST OF BOTH WORLDS!

Summer is a great time for teachers to pursue professional development or earn a graduate degree online!

UMass Lowell's Graduate School of Education offers students a variety of choices.

### FIVE GRADUATE EDUCATION PROGRAMS ARE NOW AVAILABLE ONLINE:

1. Educational Administration, M.Ed.
2. Reading and Language, M.Ed.
3. Curriculum and Instruction, M.Ed.
4. Curriculum and Instruction: Science Education Concentration, M.Ed.

### Announcing Newly Available Online Fall '07:

5. Curriculum and Instruction: Education of Diverse Populations, C.A.G.S.

A practitioner-oriented degree program for experienced educators who hold a master's degree and teacher licensure.

This Summer UMass Lowell will offer many programs on campus, including special workshops and courses for music teachers. See page 20 for further information. Accelerate your progress toward a degree or certificate by taking advantage of UMass Lowell's summer courses. Classes are conveniently scheduled on campus or online to fit your busy schedule. We look forward to seeing you this summer! For other graduate education programs please visit the Graduate School of Education website at <http://www.uml.edu/gse/>. To request an admissions packet for the Graduate School of Education, or for more information: [edoffice@uml.edu](mailto:edoffice@uml.edu)

## Did you know?

- 57 UML Graduate School of Education graduates are currently serving as school principals in Massachusetts.
- 14 UML Graduate School of Education graduates are serving as superintendents of schools in Massachusetts.

## PERSONALIZED STUDENT SERVICES AVAILABLE

### Continuing Education Information Session

MONDAY, APRIL 30, 2007 FROM 6:00 TO 7:00 P.M.

#### Find out about:

- Certificate Programs & Degrees
- Online Courses
- Project Management Seminars

## HOW TO TAKE AN ONLINE COURSE

Monday, April 30, 2007 on UML North,  
from 6:00 to 7:00 p.m.

Come see how **easy** it is to take a course **online!** Want to learn more about taking a course over the Internet? Are you planning on registering for an online course this semester? This orientation will introduce you to the features of your online course and answer any questions you may have.

CALL 978-934-2474 TO TALK TO US AND LEARN ABOUT  
COMING BACK TO SCHOOL!

Continuing Studies Student Support Specialists will hold an Information Session for students who would like to learn more about our programs and financial aid. All current students and prospective students are invited to participate. This presentation will be followed by an informal question and answer period. Faculty and Student Support Specialists will answer such questions as:

- How do I select a course and check for prerequisites?
- How do I register?
- Am I able to enroll in a degree or certificate program?
- When do I pay for my courses?
- Where is my classroom located?
- How do I take a course online?
- How do I use the electronic library?

CALL THE FACULTY AND STUDENT SUPPORT CENTER TODAY AT  
978-934-2474 TO RESERVE YOUR SPACE. YOU CAN ALSO E-MAIL  
US AT [CONTINUING\\_EDUCATION@UML.EDU](mailto:CONTINUING_EDUCATION@UML.EDU) TO LEARN MORE ABOUT  
OUR PROGRAMS.



# UNDERGRADUATE Certificate Programs

## Customize your undergraduate certificate

\* Most certificates are available on campus and online.

Our Continuing Education Certificate Programs get you one step closer to your degree, faster than you ever imagined possible.

Six to Ten Courses to a New Career

According to The Boston Globe,

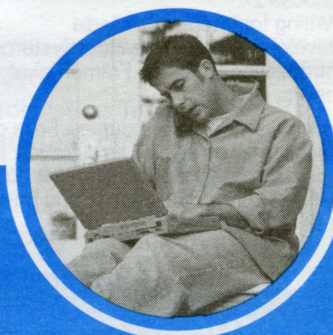
"State figures released... show several high-tech job categories growing at more than triple the rate of overall employment over the past 13 months."

Source: Boston Globe, March 4, 2007

Please note, UMass Lowell also offers several Online Graduate Certificate Programs. See page 5 for more details

## ONLINE GRADUATE Certificate Programs!

- Certificate in Behavioral Intervention in Autism
- Certificate in Security Studies
- Certificate in Clinical Pathology
- Certificate in Foundations of Business
- Certificate in Forensic Criminology
- Certificate in Domestic Violence Prevention
- **NEW!** Certificate in Plastics Engineering Fundamentals **ONLINE!**



### UNDERGRADUATE CERTIFICATES:

Now available in a Blended Format!

#### The CERTIFICATE IN COMPUTER-ASSISTED MANUFACTURING

Maximize your convenience! Now you can take a combination of online and on campus courses when you pursue the Certificate in Computer-Assisted Manufacturing at UMass Lowell.

##### Required Courses: (5)

- 23.101 Engineering Graphics (On Campus)
- 23.200 Computer Aided Drafting (Online)
- 23.419 Computer Aided Manufacturing (On Campus)
- 23.480 Computer Aided Design (Online)
- 23.484 Intro to Pro|ENGINEER (Online) or 23.485 Intro to SolidWorks (Online)

For further information contact Professor Robert Tuholski at (978) 934-2593 or email [Robert\\_Tuholski@uml.edu](mailto:Robert_Tuholski@uml.edu)

- 90.250 E-Commerce on the Web
- 90.291 Introduction to DHTML
- 90.306 Introduction to XML
- 90.347 Rich Web Development with Flash™ MX (Advanced)
- 90.348 Developing Dynamic Websites with ColdFusion® MX



#### Graphic Design & Digital Imaging

Use Towards a Degree in Information Technology or Liberal Arts!\*

This certificate program offers students interested in breaking into graphic design and electronic publishing an innovative mix of traditional design courses along with several courses in the latest publishing technologies. From traditional graphic design to designing for multimedia and the World Wide Web, students in the program complete numerous portfolio pieces geared towards the professional market.

##### Required Courses: (6)

- 70.291 Introduction to Graphic Design
- 70.240 Fundamentals of Typography
- 70.245 Desktop Publishing: Layout and Production
- 70.262 Digital Imaging and Photography: Photoshop®
- 70.391 Advanced Graphic Design
- 70.400 Portfolio Production Seminar

##### Electives (Choose 3):

- 70.264 Computer Graphics & Illustration
- 70.362 Advanced Digital Imaging
- 70.376 3D Computer Animation
- 70.377 Advanced Animation: After Effects®
- 70.379 Website Design
- 70.384 Advanced Website Design & Development
- 70.392 Design for Advertising
- 90.230 Introduction to Multimedia
- 90.231 Graphics for Multimedia and the World Wide Web
- 90.233 Multimedia Authoring Software: Macromedia Director® MX
- 90.238 Website Development: Microsoft® Expression® Web
- 90.247 Web Authoring: Flash™ MX

#### NOW ONLINE!

- 70.379 Website Design
- 70.384 Advanced Website Design & Development



#### Website Design & Development

Available on-campus and online  
Use Towards a Degree in Information Technology!\*

The Certificate Program in Website Design and Development is designed to provide students with the knowledge they need to design and implement effective, dynamic websites. Students pursuing this certificate program have the option of taking either the Web Design Track or the Web Development Track, depending on their particular area of interest. You can earn the Certificate in Website Design & Development entirely online, on campus, or by taking a combination of online and on campus courses.

##### Website Design Track

Note: Students pursuing the Website Design Track should have basic familiarity with HTML. Those who do not have basic familiarity with HTML are encouraged to take 90.291 Introduction to DHTML as one of their electives prior to taking the required courses in this program.

##### Required Courses: (4)

- 70.379 Website Design
- 70.384 Advanced Website Design & Development
- 90.231 Graphics for Multimedia and the World Wide Web
- 90.247 Web Authoring: Flash™MX

##### Electives (Choose 2):

- 70.262 Digital Imaging and Photography: Photoshop®
- 70.385 Streaming Media for the Web
- 90.230 Introduction to Multimedia
- 90.238 Website Development: Microsoft® Expression® Web
- 90.248 Website Database Implementation
- 90.250 E-Commerce on the Web
- 90.291 Introduction to DHTML
- 90.292 Advanced DHTML
- 90.302 JavaScript
- 90.306 Introduction to XML
- 90.347 Rich Web Development with Flash™ MX (Advanced)
- 90.348 Developing Dynamic Websites with ColdFusion® MX

##### Website Development Track

##### Required Courses: (4)

- 90.238 Website Development: Microsoft® Expression® Web
- 90.248 Website Database Implementation
- 90.291 Introduction to DHTML
- 90.306 Introduction to XML

##### Electives: (Choose 2):\*

- 70.379 Website Design
- 70.384 Advanced Website Design and Development
- 70.385 Streaming Media for the Web
- 90.227 Developing Interactive Help Systems
- 90.245 Website Server Administration
- 90.246 Active Server Pages
- 90.247 Web Authoring: Flash™ MX
- 90.250 E-Commerce on the Web
- 90.292 Advanced DHTML
- 90.301 Java Programming
- 90.302 Java Script
- 90.305 Introduction to Perl
- 90.347 Rich Web Development with Flash™ MX (Advanced)
- 90.348 Developing Dynamic Websites with ColdFusion® MX

\*Note: Other 90.xxx courses may be substituted as electives for the Website Development Track with prior approval from the certificate program coordinator.

## Creative Arts/Media APPLICATIONS



#### Multimedia Applications

Available on-campus and online  
Use Towards a Degree in Information Technology!\*

The Multimedia Certificate Program at UMass Lowell is one of the largest, most comprehensive programs of study in multimedia available in New England. It draws upon the expertise of several departments, colleges, and centers within the University, as well as outside expertise from industry professionals. You can now earn the Certificate in Multimedia Applications online or as a mix of online and on campus courses!

##### Required Courses: (4)

- 90.230 Introduction to Multimedia
- 90.231 Graphics for Multimedia and the World Wide Web
- 90.232 Desktop Video Production
- 90.247 Web Authoring: Macromedia® Flash™ MX

##### Electives (Choose 2):

- 42.221 Writing for Interactive Media
- 70.262 Digital Imaging and Photography: Photoshop®
- 70.264 Computer Graphics and Illustration
- 70.291 Introduction to Graphic Design
- 70.376 3D Computer Animation
- 70.377 Advanced Animation: After Effects®
- 70.379 Website Design
- 70.384 Advanced Website Design and Development
- 70.385 Streaming Media for the Web
- 78.201 Introduction to Audio for Multimedia and the World Wide Web
- 90.227 Developing Interactive Help Systems
- 90.236 Instructional Design for Interactive Media
- 90.238 Website Development: Microsoft® Expression® Web
- 90.239 Multimedia Scripting Using Macromedia Director's Lingo™
- 90.249 Developing IT Training for the Web

### Additional Certificate Programs

UMass Lowell also offers certificate programs in:

- Land Surveying
- Manufacturing Technology
- Nutrition
- Paralegal Studies
- Spanish and Latin American
- Wastewater Treatment
- Water Treatment

### Free software

Get Free Microsoft® Developer Software when you register for certain UMass Lowell courses! Refer to the courses with the icon designating applicable courses.

For a complete list of all applicable courses and other information, please visit <http://continuing.uml.edu/msdnaa.htm>

\* Many of the courses in these certificate programs can be applied towards a part-time degree. See page 6 or visit our website for more information on degrees. For information on how to apply these courses into your degree, call our Student Support Specialists at (978) 934-2474.

For more information on any of these certificate programs visit our Website at <http://continuing.uml.edu> or call (978) 934-2474.





## Technical Writing

Available on-campus and online  
Use Towards a Degree in Information Technology!\*

Those with strong writing skills and an aptitude for computers are encouraged to enter this program. Taught by practicing professionals from the high tech industry, students learn to use the most current technologies and processes.

### Required Courses: (4)

- 42.408 Principles of Technical Writing
- 42.412 Software Writing
- 42.413 Advanced Software Writing
- 90.306 Introduction to XML

### Electives (Choose 2):\*\*

- 42.221 Writing for Interactive Media
- 90.227 Developing Interactive Help Systems
- 90.228 Introduction to Adobe FrameMaker
- 90.291 Intro to DHTML

\*\* This is a partial list of elective courses. For a complete list of courses that may be applied as electives, see the Continuing Studies website for computer courses with a 90. OR 92. prefix or contact the Faculty and Student Support Center at (978) 934-2474.



## Information Technology

## Contemporary Communications

Available on-campus and online  
Use Towards a Degree in Information Technology or Liberal Arts!\*

The Contemporary Communications Certificate is intended as an introductory certificate to prepare students for work in a rapidly changing, information-driven workplace. Students will develop skills in research, analysis, writing, graphic presentation of material, and the use of technology as a tool for communication.

### Required Courses: (4 plus 2 electives)

#### Written Communication (Choose 1):

- 42.221 Writing for Interactive Media
- 42.224 Business Writing
- 42.226 Technical and Scientific Communication
- 42.300 Journalism

#### Computer-Based Communications (Choose 1):

- 90.160 Introduction to Information Systems
- 90.238 Website Development: Microsoft® Expression® Web
- 90.291 Intro to DHTML
- 91.113 Exploring the Internet

#### Strategic Thinking & Effective Communication (Choose 1):

- 45.202 Introduction to Logic
- 46.210 Media and Politics
- 62.201 Marketing Principles
- 90.250 E-Commerce on the Web
- 90.460 Computer Ethics

#### Multimedia/Graphic Design and Development (Choose 1):

- 70.291 Introduction to Graphic Design
- 90.230 Introduction to Multimedia
- 90.231 Graphics for Multimedia and the World Wide Web
- 90.232 Desktop Video Production

#### Electives (Choose 2 not already taken):

- 42.221 Writing for Interactive Media
- 42.224 Business Writing
- 42.226 Technical and Scientific Communication
- 42.300 Journalism
- 45.202 Introduction to Logic
- 45.205 Argumentation and Rhetoric
- 45.207 Corporate Communications
- 45.356 The History, Theory, and Practice of Rhetoric
- 46.210 Media and Politics
- 46.316 Politics and Film
- 62.201 Marketing Principles
- 70.291 Introduction to Graphic Design
- 90.160 Introduction to Information Systems
- 90.230 Introduction to Multimedia
- 90.231 Graphics for Multimedia and the World Wide Web
- 90.232 Desktop Video Production
- 90.238 Website Development: Microsoft® Expression® Web
- 90.250 E-Commerce on the Web
- 90.291 Intro to DHTML
- 90.460 Computer Ethics
- 91.113 Exploring the Internet



## Information Technology

Available on-campus and online  
Use Towards a Degree in Information Technology!\*

The need for professionals with a strong information technology background will continue to increase as business, government, schools, and other organizations seek new applications for computers and networks in the workplace. This certificate is designed as an introductory program for those who want to explore a broad range of electives in different subject areas before deciding on an area of specialization.

### Required Courses: (2)

- 90.160 Introduction to Information Systems\*
- 90.202 Introduction to Personal Computing and Microsoft Office\*

### Electives (Choose 4):\*\*

#### Programming Electives:

- 90.211 Introduction to Programming with C, Part I
- 90.212 Introduction to Programming with C, Part II
- 90.220 Visual Basic
- 90.267 C Programming
- 90.268 C++ Programming
- 90.269 Advanced C++
- 90.270 Visual C++
- 90.364 Problem Solving with C

#### Database Electives:

- 90.171 Applications Software: Access
- 90.342 Web-Enabled Database Development
- 90.474 Relational Database Concepts

#### Multimedia/Web Electives:

- 90.230 Introduction to Multimedia
- 91.113 Exploring the Internet

#### Additional Electives:

- 90.311 Introduction to the UNIX Operating System
- 90.312 Shell Scripting
- 90.461 LAN/WAN Technologies

\*Students with appropriate experience can replace the required courses with any of the electives courses.

\*\*Note: This is a partial list. For the complete list of courses that may be applied as electives, see the Continuing Studies website for computer courses with the 90. prefix, or contact the Faculty and Student Support Center at 978-934-2474.



## Data/Telecommunications

Available on-campus and online  
Use Towards a Degree in Information Technology!\*

The Certificate Program in Data/Telecommunications trains participants for positions as entry-level network administrators, LAN technicians, and system analysts responsible for networking functions in large or small companies.

### Required Courses: (5)

- 90.267 C Programming
- 90.457 Network Security
- 90.461 LAN/WAN Technologies
- 90.462 TCP/IP and Network Architecture
- 90.464 Network Management



## Database Management Technologies

Available on-campus  
Use Towards a Degree in Information Technology!\*

The Database Management Technologies Certificate program, as part of Oracle Corporation's Academic Initiative (OAI), prepares students for the requirements and rigors of becoming an in-demand Database Administrator or Developer. Centered on the industry-leading Oracle 10g/11i™ product suite, students engage in a progressive learning experience. Hands-on skill building throughout the program will prepare students for challenging and highly rewarding positions in today's data-driven industry.

### Required Courses: (4)

- 90.450 Database Administration I: Introduction to Oracle 10g
- 90.453 Database Administration II: Advanced Oracle 10g
- 90.454 Oracle 10g SQL Development
- 90.459 PL/SQL I: Introduction to Oracle 10g PL/SQL

\*Note: Students with experience equivalent to any of the required courses may substitute up to two electives for the required courses, with prior approval of the program coordinator.

(Choose 3 Electives from either of the following Tracks):

#### Electives: Developer Track

- 90.448 Oracle 10g Portal Development
- 90.449 Oracle 10g Forms and Reports
- 90.467 PL/SQL II: Advanced Oracle 10g PL/SQL
- 90.474 Relational Database Concepts

#### Electives: Administrator Track

- 90.443 Introduction to Client/Server Computing
- 90.455 Database Administration III: Oracle 10g Projects
- 90.466 Oracle 10g Data Warehousing
- 90.479 Oracle 11i Applications DBA

Note: If you would like to, you may choose one elective course from one of the tracks and two elective courses from the other track, as long as you take a total of three elective courses in addition to the required courses above.

**NEW! UNIX Certificate available in accelerated and online format.**



## UNIX®

Available on-campus and online  
Use Towards a Degree in Information Technology!\*

The Certificate in UNIX is designed for those currently in the computer industry who want to upgrade their skills, and for those with basic computer literacy who want to enter this fast-growing field. Students learn skills that are immediately applicable in the workplace as well as C Programming, the language in which most networking software is written.

### Required Courses: (4)

- 90.267 C Programming
- 90.311 Introduction to the UNIX Operating System
- 90.312 Shell Scripting
- 90.360 Introduction to Data Structures

#### Electives (Choose 2):

- 90.268 C++ Programming
- 90.269 Advanced C++
- 90.313 UNIX Internals Overview
- 90.316 UNIX System Administration
- 90.318 Advanced UNIX Internals/Tuning
- 90.319 Introduction to Linux
- 90.321 Linux System Administration



## Engineering Technology



## Plastics Engineering Technology

Use Towards a Degree in Engineering Technology!\*

The Plastics Engineering Technology Certificate provides professional training in plastics industry theory and technology. Students are given practical instruction applicable to materials, processing, and design engineering. Courses are taught by the Department of Plastics Engineering's staff of international experts. This program is designed to serve adult students already working in positions in plastics or packaging who need formal education in their work areas. Some of the courses in this certificate can be applied towards the B.S. Degree in Mechanical Engineering Technology: Plastics Option.

### Required Courses: (5)

- 27.201 Plastics Material Science I (Commodity Thermoplastics)
- 27.202 Plastics Material Science II (Engineering Thermoplastics)
- 27.219 Introduction to Plastics Processing
- 27.331 Injection Molding
- 27.345 Principles of Extrusion

**Electives:** (Choose 2 plastics engineering technology elective courses with a 27. prefix)



## Computer Engineering Technology

Available on-campus  
Use Towards a Degree in Engineering Technology!\*

The Certificate Program in Computer Engineering Technology is designed to provide students with a broad-based knowledge of digital electronics, microprocessors and advanced digital technologies. All the courses in this certificate program can be applied towards the B.S. degree in Electronic Engineering Technology.

### Required Courses: (7)

- 17.341 Logic Design I & Laboratory
- 17.342 Logic Design II & Laboratory
- 17.353 Digital Electronics
- 17.383 Microprocessors A
- 17.384 Microprocessors B
- 90.267 C Programming
- 90.268 C++ Programming



## Electronics Technology

Use Towards a Degree in Engineering Technology!\*

The Certificate Program in Electronics Technology is designed to provide the students with a broad-based knowledge of circuit theory and electronics, with laboratory work included to ensure that good hands-on experience is acquired along with the deep understanding of fundamental and changing technologies. All the computer courses in this certificate program can be applied towards the A.S. or B.S. degree in Electronic Engineering Technology.

### Required Courses: (8)

- 17.213 Circuits I
- 17.214 Circuits II and Laboratory
- 17.215 Circuits III and Laboratory
- 17.216 Circuits IV
- 17.355 Electronics I & Laboratory
- 17.356 Electronics II & Laboratory
- 17.357 Electronics III & Laboratory
- 17.358 Electronics IV & Laboratory



## Criminal Justice



## Security Management and Homeland Security

Available on-campus and online  
Use Towards a Degree in Criminal Justice!\*

Since September 11th, the U.S. Department of Labor has been predicting that the employment of security management personnel will grow faster than all other occupations due to the threat of terrorism. This part-time certificate program is designed for personnel working in the areas of public safety, security management, and law enforcement; executives in corporations responsible for overseeing in-house security programs; and information technology professionals.

### Required Courses: (4)

- 44.115 Introduction to Homeland Security
- 44.241 Physical Security
- 44.312 Security Management
- 90.385 Introduction to Information Security

#### Electives (Choose 2):

- 44.212 Weapons of Mass Destruction
- 44.234 Criminal Law
- 44.248 Terrorism
- 44.326 Domestic Terrorism and Hate Crimes
- 44.342 Criminal Profiling
- 44.343 Forensic Psychology
- 44.380 Selected Issues in Criminal Justice



FIND OUT HOW EASY IT IS TO TAKE  
A COURSE OR COMPLETE YOUR

# DEGREE ONLINE!

\* Graduate & Undergraduate

\* Fully Accredited

\* Affordable Tuition

JOIN US AT OUR FREE ONLINE ORIENTATION SESSION ON APRIL 30, 2007 ON UML NORTH. SEE PAGE 2 FOR DETAILS!

With UMass Lowell's online education program, you can take classes from the convenience of your home or office! Register for one or two courses, or pursue a degree or certificate program entirely online.

## Online Undergraduate Degree Programs

- \* Associate's Degree in Information Technology
- \* Bachelor's Degree in Information Technology
- \* Bachelor's Degree in Information Technology: Business Minor
- \* Bachelor's Degree in Liberal Arts
- NEW!** \* Bachelor's Degree in Psychology

## Online Graduate Degree Programs

- \* Master's Degree in Reading and Language
- \* Master's Degree in Educational Administration
- \* Master's Degree in Criminal Justice
- \* Master's Degree in Curriculum & Instruction
- NEW!** \* Master's Degree in Business Administration
- NEW!** \* Master's Degree in Curriculum and Instruction with a concentration in Science Education

## Online Undergraduate Certificate Programs

- NEW!** \* Certificate in Computer Assisted Manufacturing
- \* Certificate in Contemporary Communications

- \* Certificate in Multimedia Applications
- \* Certificate in UNIX
- \* Certificate in Information Technology
- \* Certificate in Data/Telecommunications
- \* Certificate in Plastics Engineering Technology
- \* Certificate in Paralegal Studies
- \* Certificate in Security Management and Homeland Security
- \* Certificate in Website Design and Development

## Online Graduate Certificate Programs

- \* Certificate in Behavioral Intervention in Autism
- \* Certificate in Security Studies
- \* Certificate in Clinical Pathology
- \* Certificate in Foundations of Business
- \* Certificate in Forensic Criminology
- \* Certificate in Domestic Violence Prevention
- NEW!** \* Certificate in Plastics Engineering Fundamentals

Call (978) 934-2474 or visit <http://continuinged.uml.edu/online> to test drive an online course today!

**Note:** The University of Massachusetts System offers additional courses and programs online. Visit [www.UMassOnline.net](http://www.UMassOnline.net) for more details.

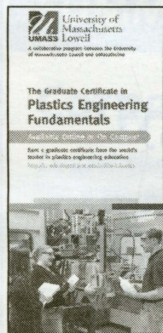
Please note: There are no veteran or senior citizens waivers for online courses. Please refer to page 19.

HAVE THE BEST OF

# BOTH WORLDS!

These Graduate Degree Programs  
are Available On Campus OR Online!

## NEW! THE ONLINE GRADUATE CERTIFICATE PROGRAM IN PLASTICS ENGINEERING FUNDAMENTALS



This new graduate-level online certificate program is designed to provide engineering professionals — such as mechanical engineers involved in the design of plastic parts — with the plastics background they generally do not receive as part of their undergraduate education.

Total Courses: 4; Total Graduate Credits: 12

### REQUIRED COURSES (2):

- 26.544** Advanced Plastics Materials
- 26.578** Advanced Plastics Process Engineering

### ELECTIVE COURSES (CHOOSE 2):

- 26.503** Mechanical Behavior of Polymers
- 26.518** Plastics Product Design
- 26.576** Advanced Mold Design

For specific questions regarding these plastics courses and the plastics certificate program, email [onlineplastics@uml.edu](mailto:onlineplastics@uml.edu). Call (978) 934-2143 today for a free brochure or visit <http://continuinged.uml.edu/online/plastics/>

## REQUIREMENTS AND REGISTRATION PROCEDURES FOR ONLINE COURSES

**Online Education Course Registration and Confirmation** Students should make sure they have fulfilled the particular course prerequisites prior to registering for a course. See the registration information on page 18 and the new UMass Lowell CSCE student checklist at <http://continuinged.uml.edu>. Be sure to provide your email address when you register!

**Student Usernames and Passwords** are assigned online via the Registration Confirmation process. All online students are required to complete the online "Registration Confirmation" process one business day after registering for their online course. To check Registration Confirmation availability please visit <http://continuinged.uml.edu/online>. Registration Confirmation is usually made available to students approximately three weeks prior to the start of the semester.

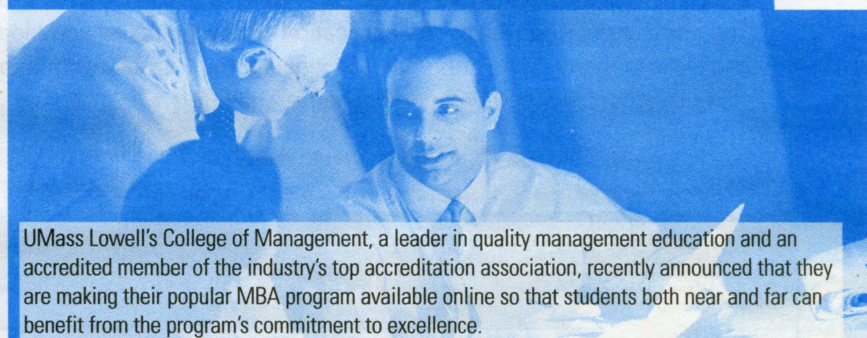
**All Online Students** are encouraged to review the Online Education website at <http://continuinged.uml.edu/online> to view course software and textbook requirements, course outlines, chat hours and other course specific information. Online courses require weekly participation and assignments. Online students can expect to spend 6-10 hours per course each week engaged in course related activities.

**Student Technical Skills and Requirements** All students new to Online Education should complete the free Online Demonstration course available on the Online Education Website. Some online courses require additional software. Students are responsible for learning to use course-related software before enrolling in an Online Education course. Tutorials are available on the Online Education Website.

**Online Course Software Requirements** — Be sure to check our website at <http://continuinged.uml.edu/online> to confirm course software requirements. For the latest information regarding our online courses and programs, visit our website at <http://continuinged.uml.edu/online> or call (978) 934-2474.

From UMass Lowell's College of Management

## NEW! UMASS LOWELL ANNOUNCES THE ONLINE MBA!



UMass Lowell's College of Management, a leader in quality management education and an accredited member of the industry's top accreditation association, recently announced that they are making their popular MBA program available online so that students both near and far can benefit from the program's commitment to excellence.

### • Master of Business Administration — Earn Your MBA Online!

<http://continuinged.uml.edu/online/mba/>

Designed to prepare managers to effectively lead organizations in rapidly changing and diverse regional, national, and global competitive environments, the MBA program at UML integrates theory and practice, using case studies, experiential learning techniques, and field programs applicable to a wide variety of commercial, industrial and not-for-profit settings. The degree is available entirely online, on campus, or as a mix of online and on campus courses.

### • Foundations of Business Graduate Online Certificate Program

<http://continuinged.uml.edu/online/foundofbusiness.htm>

Consisting of six 2-credit courses, this graduate-level certificate program is designed to provide students with a thorough knowledge of the traditional functional areas of business that an undergraduate business degree offers. This program offers an excellent opportunity for people with non-business backgrounds to earn a graduate-level certificate while they attain the appropriate foundation knowledge required for the MBA. Completion of the program will satisfy the foundation portion of the MBA program for those going on to earn their MBA degree.

For more information, contact Gary Mucica, Director of Management Graduate Programs, (978) 934-2853 or Kathleen Rourke, Coordinator of Management Graduate Programs, (978) 934-2848.



UMass Lowell's College of Management is accredited by the Association to Advance Collegiate Schools of Business (AACSB) International.

*"I work full time and have a family, so I needed a graduate program that would fit into my schedule. With my day-to-day responsibilities attending school during the day wasn't an option, so the convenience and flexibility of the Online MBA program was exactly what I needed. Many people aren't sure what to expect with online courses, and neither was I, but I've had lot of interaction with my classmates and professors. My classmates and I collaborate on projects together and communicate on a regular basis in online chats, email, as well as over the phone. The program is very interactive."*

Lillian Buitenhuys, Online MBA Student



## SIGNATURE DEGREE PROGRAMS

THIS SUMMER



# Accelerate your progress towards your degree **ON CAMPUS, ONLINE, OR BOTH!**

## UNDERGRADUATE DEGREE PROGRAMS

The following degree programs are available on a part-time, evening basis:

### COLLEGE OF ENGINEERING

#### Associate's Degrees

Civil Engineering Technology  
Civil Engineering Technology:  
Surveying Option  
Electronic Engineering Technology  
Mechanical Engineering Technology

#### Bachelor's Degrees

Civil Engineering Technology  
Civil Engineering Technology:  
Environmental Option  
Electronic Engineering Technology  
Mechanical Engineering Technology  
Mechanical Engineering Technology:  
Manufacturing Option  
Mechanical Engineering Technology:  
Plastics Option

### COLLEGE OF ARTS AND SCIENCES

#### Associate's Degree

Information Technology

#### Bachelor's Degrees

Applied Mathematics  
Criminal Justice  
Criminal Justice: Paralegal Option  
Information Technology  
Information Technology:  
Business Minor Option  
Liberal Arts

Mathematics

Mathematics: Statistics Concentration

Mathematics: Teacher Concentration

**NEW!** Psychology

### COLLEGE OF MANAGEMENT

#### Associate's Degree

Management

#### Bachelor's Degree

Business Administration

For more information on any of these degree programs visit our Website at <http://continuinged.uml.edu> or call (978) 934-2474

## Bachelor's Degree in Psychology **ONLINE** —

Take fully online or on campus!

- One of UMass Lowell's most popular degree programs for those interested in the social sciences

**The Psychology curriculum acquaints students with scientific methods and psychological studies.** It provides students with theoretical foundations in various subfields of psychology: experimental, developmental, social, personality, and clinical psychology. The curriculum emphasizes the application of psychological knowledge and skills in many areas of human functioning. For further information, visit <http://continuinged.uml.edu/online/psychology>



### EARN A BACHELOR'S DEGREE IN

## Liberal Arts

Students whose education plans were interrupted are perfect candidates for UMass Lowell's part-time Liberal Arts Degree. The Bachelor of Liberal Arts (BLA) degree is designed to provide students with a balanced liberal arts curriculum, while also exposing them to an in-depth study in areas of concentration such as psychology, history, art history, women's studies, english, and legal studies.

*Students choose two concentration areas:*

1. Psychology Concentration  
Available on campus and online
2. Art History Concentration  
Available on campus and online
3. Women's Studies Concentration  
Available on campus and online
4. Legal Studies Concentration  
Available on campus and online
5. History Concentration  
Available on campus and online
6. English Concentration  
Available on campus and online

Email [Continuing\\_Education@uml.edu](mailto:Continuing_Education@uml.edu) or call (978) 934-2474. Additional information on the Bachelor's Degree in Liberal Arts can also be found at <http://continuinged.uml.edu/degrees/bladegree.htm>

### EARN A BACHELOR'S DEGREE IN

## Engineering Technology

**Civil Engineering Technology • Electronic Engineering Technology  
Mechanical Engineering Technology**

**Engineering Technology is your path to success...**

For more information on our part-time degree programs in Engineering Technology, visit <http://continuinged.uml.edu/engtech>. For a free brochure call (978) 934-2143 or email [Continuing\\_Education@uml.edu](mailto:Continuing_Education@uml.edu)

### EARN A BACHELOR'S DEGREE IN

## Information Technology

*"I knew I had to get a high-demand credential and that I had to do it quickly. By taking a mix of online and on-campus courses, I was able to accelerate my progress towards earning a degree in Information Technology."*

*Valerie Cox, Recent Graduate*

**For more information on our B.S. in Information Technology, please visit our website or call the Faculty and Student Support Center at (978) 934-2474.**

### EARN A 2ND BACHELOR'S DEGREE IN

## Information Technology

Interested in changing careers? If you already have a Bachelor's Degree and would like to pursue a second degree in Information Technology, UMass Lowell has a special program for you. Students can pursue a Second Bachelor's in IT by taking 10 additional IT courses in designated areas. See our website at <http://continuinged.uml.edu/degrees/2ndBSIT.htm> for more information.

## **NEW!** BS to MS Program

Interested in making yourself more marketable in the IT marketplace? Consider the Bachelor's to Master's Option in Health Management and Policy with a concentration in Health Informatics. See our website for more details.



# CUSTOMIZED TRAINING

*Designed to meet your company's business needs*

\* [HTTP://CONTINUINGED.UML.EDU/CORPORATE](http://continuinged.uml.edu/corporate)

With a large selection of courses and expert instructors, the University of Massachusetts Lowell serves as an important educational resource for companies both nationally and internationally. The University – which is particularly well-known for its Engineering, Information Technology, Computer Science, Health, Management, and Manufacturing programs — provides training to employees on campus and at numerous company locations.

A variety of training areas are available, and UMass Lowell can develop customized training programs that feature the industry-specific software and technologies your company uses most! Call (978) 934-2495 to speak with a corporate training specialist. For a list of training areas visit <http://continuinged.uml.edu/corporate>.

## Working With Business & Industry

UMass Lowell is constantly exploring new models for collaboration with business and industry. Whether it's collaborating on a workforce training grant, or working together with companies to develop cutting-edge training programs for their employees, the University is actively contributing to growing a workforce knowledgeable in industry-relevant technologies.

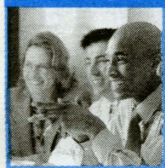
Contact us at (978) 934-2495 or email [Catherine\\_Kendrick@uml.edu](mailto:Catherine_Kendrick@uml.edu) to discuss potential opportunities for program collaboration.



**NEW! UMass Lowell is now a PMI® approved Registered Education Provider**

**Project Management Non-credit Certificate\*** (To register call 978-934-2405)

UMASS LOWELL  
Project Management



### Project Management Boot Camp

CRS #00.613-042  
One Day; Meets 9am-4pm; Friday; June 8  
Held on Lowell Campus;  
Tuition: \$350;  
CEUs: .7; PDUs: 7

### Project Management: Resources and Budgeting

CRS #00.609-042  
Two Days; Meets 9am-4:00pm;  
Tuesday/Wednesday, June 19 and 20  
Held on Lowell Campus; Tuition: \$650;  
CEUs: 1.4; PDUs: 14

### Risk Management

CRS #00.614-041  
Two Days; Meets 9am-4pm;  
Thursday/Friday, May 17 and 18  
Held on Lowell Campus; Tuition: \$650;  
CEUs: 1.4; PDUs: 4

### Team Building

CRS #00.615-041  
One day; Meets 9am-4pm; Wednesday June 13  
Held on Lowell Campus; Tuition: \$350;  
CEUs: .7; PDUs: 7

### Leadership Skills

CRS #00.616-041  
One Day; Meets 9am-4pm; Friday, June 1  
Held on Lowell Campus; Tuition: \$350;  
CEUs: .7; PDUs: 7

### Negotiation Skills

CRS #00.618-041  
One Day; Meets 9am-4pm; Friday, May 11  
Held on Lowell Campus; Tuition: \$350;  
CEUs: .7; PDUs: 7

### MS Project

CRS #00.610-042  
Two Days; Meets 9am-4pm;  
Tuesday/Wednesday, June 5 and 6  
Held on Lowell Campus; Tuition: \$695;  
CEUs: 1.4; PDUs: 14

### NEW! Six Sigma Green Belt Certificate Course

CRS #00.909-041  
Six Evenings; Meets 6pm-9pm; Thursdays,  
May 24, 31, and June 7, 14, 21, 28  
Held at the VA Medical Center in Bedford, MA;  
Tuition: \$695

### Project Management: Planning and Scheduling

CRS #00.608-042  
Two Days; Meets 9am-4pm;  
Thursday/Friday, May 3 and 4  
Held on Lowell Campus; Tuition: \$650;  
CEUs: 1.4; PDUs: 14

\*Learn how you can apply these seminars towards a project management certificate by visiting our website at <http://continuinged.uml.edu>. Seminars may be taken individually or applied towards a project management certificate. For a Project Management brochure call 978-934-2473.

**SUMMER 2007 To register call (978) 934-2405**

## Corporate Signature Seminar Series

*Learn the latest tools and business trends to increase profits and streamline operations...*

**Call us about having these seminars offered at your company!**

### ELECTRONIC AND MECHANICAL ENGINEERING

#### Basic Electronics

CRS # 00.904-041; Six Evenings; Meets 6pm-9pm; Thursdays, April 19, 26, May 3, 10, 17, 24  
Held at the VA Medical Center in Bedford, MA; Tuition; \$695

#### Advanced Electronics

CRS # 00.908-041; Six Evenings; Meets 6pm-9pm; Tuesdays and Thursdays, May 29, 31, June 5, 7, 12, 14  
Held at the VA Medical Center in Bedford, MA; Tuition; \$695

#### LabVIEW™

CRS # 00.907-042; Eight Evenings; Meets 6pm-9pm; Wednesdays, May 9, 16, 23, 30, June 6, 13, 20, 27  
Held on the Lowell Campus; Tuition \$695

**Call us at (978) 934-2405 for a detailed brochure or visit <http://continuinged.uml.edu/corporate>**

## GREEN PLASTICS

### Sustainable Materials Manufacturing Conference

Join industry leaders from around the world for a cutting-edge conference on the latest developments in green plastics manufacturing. Breakthrough advances in bio-based polymers are helping companies manufacture real world plastic products from sustainable, biodegradable materials that minimize environmental concerns associated with plastic products.

**APRIL 17-18, 2007 Lowell, Massachusetts**  
**Register Now — Just \$300 for this one-and-a-half day conference!**

For a brochure or to register for the conference, call 978-934-2405  
For additional information, visit <http://continuinged.uml.edu/sustainability2007>

APRIL  
17-18

## Online Training

### Learn to Teach Online, Without Commuting to Campus

Interested in learning how to teach online using Blackboard's Vista 4

UMass Lowell's award winning faculty development training program can help you develop or enhance your online training skills.

If you are an institution of higher education or a corporate training/instructional design specialist you may be interested in having this program customized to meet your organization's specific business requirements.

#### INTRODUCTION TO ONLINE TEACHING WITH VISTA 4

**00.058-041** Six Weeks; June 13 - July 24 or  
June 27 - August 7;  
Tuition: \$795

A special reduced rate for this noncredit course is available when four or more participants attend from the same institution. For more information, call 978-934-2495 or visit our website at <http://continuinged.uml.edu/online/institutes.htm>.

**Registration for this noncredit course is by phone only at 978-934-2405.**



## INTERESTED IN ON-SITE PLASTICS TRAINING?

UMass Lowell is one of the nation's leading universities in plastics. The Plastics Engineering Department has gained worldwide recognition for its state-of-the-art training, research, and experienced

faculty who travel nationally and internationally conferring on newly developed concepts and consulting with plastics industry leaders.

You can attend our plastics seminars on campus or ask about having our plastics engineering faculty deliver training on-site to your employees! Call 978-934-2144 for information about our onsite training programs!

**Call 978-934-2405 today for a free copy of our Plastics Seminars & Workshops brochure or visit <http://continuinged.uml.edu/plastics>**

For more information on any of these corporate programs visit our Website at <http://continuinged.uml.edu/corporate> or call (978) 934-2405.



UNDERGRADUATE CREDIT COURSES

May 21–June 29  
Summer Session I

**Day Classes** begin on May 21 and meet Monday through Thursday for 3-credit courses and meet Monday through Friday for 4-credit courses.  
**M/W Evening Classes** begin on May 21 and include 3 FRIDAYS: June 1, June 15 and June 29 at the regularly scheduled hours.  
**T/Th Evening Classes** begin on May 22 and include 2 FRIDAYS: June 8 and June 22 at the regularly scheduled hours.

Reminder: This course listing combines the University of Massachusetts Lowell day school courses and the continuing studies courses. It is important to check course numbers and prerequisites to ensure enrollment in the correct class.

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
ACCOUNTING							
1050	60.201-011	Accounting/Financial	T/Th	6:00-9:00 pm	3		Charles F. Thompson
1152	60.201-061	Accounting/Financial (5/21-7/27/07)	> Online Course		3	On campus exams may be required of all UML day students	Clairmont Carter
1051	60.202-011	Accounting/Managerial	T/Th	6:00-9:00 pm	3	P: 60.201	George Joseph
2703	60.302-021 *	Intermediate Accounting II (5/21-7/13/07)	M/Th	6:00-9:00 pm	3	P: 60.301 with "C" or above, and "C" or above also required in 60.302 (for UMass Lowell students), and COM Dean permission	George Nogler
2319	60.331-011 *	Cost Management Systems	T/Th	6:00-9:00 pm	3	P: 60.202; BSBA students (non-Accounting majors) and COM Dean permission	Laura Christianson
*Before registering for all 300/400-level College of Management courses, students must meet all prerequisites and submit a "College of Management Dean Permission Request Form." Please visit <a href="http://continuinged.uml.edu/general/information.htm">http://continuinged.uml.edu/general/information.htm</a> to fill out the form online.							
ART/COMPUTER GRAPHICS							
1165	70.379-061	Website Design: Macromedia® Dreamweaver® (5/21-7/27/07)	> Online Course		3	P: 90.238, and 90.231 or 70.262; requires Dreamweaver 8 and Photoshop CS2	Christopher Perry
1235	70.384-061	Advanced Website Design and Development (5/21-7/27/07)	> Online Course		3	P: 70.379, 90.238; requires Dreamweaver MX or 8.	Christopher MacDonald
2694	70.245-011	Desktop Publishing Layout and Production (Adobe® InDesign/Macintosh)	T/Th	6:30-9:30 pm	3	P: Basic Macintosh proficiency	Alison Poor-Donahue
2676	70.362-011	Advanced Digital Imaging:(Photoshop/Windows)	T/Th	6:30-9:30 pm	3	P: 70.291 and 70.262 or comp. knowledge	Ella Carlson
NOTE: While the above courses will not directly transfer into the Art Department's Bachelor of Fine Arts Day School degree program, certain two-course clusters may be accepted for transfer upon prior department approval. CERTIFICATE IN GRAPHIC DESIGN AND DIGITAL IMAGING (See page 3 for required courses.) CERTIFICATE IN WEBSITE DESIGN AND DEVELOPMENT (See page 3 for required courses.)							
ART HISTORY							
1225	58.101-061	Art Appreciation (5/21-7/27/07)	> Online Course		3	AE, HSA/AHD	Liana Cheney
2554	58.330-061	Italian Mannerism (5/21-7/27/07)	> Online Course		3	AE, HSA/AHD	Liana Cheney
ASTRONOMY							
1072	87.115-011	Astronomy	T/Th	7:00-10:00 pm	3	SL/SCL	Arnold O'Brien
1073	87.117-011	Astronomy Lab	M/W	7:00-9:00 pm	1 (2)	SL/SCL	Arnold O'Brien
BIOLOGICAL SCIENCES							
2296	83.101-011	Life Science I	T/Th	6:00-9:00 pm	3	SC/SCL	Valerie Graves
1171	83.214-061	Human Ecology (5/21-7/27/07)	> Online Course		3	SL	Priscilla Mattson
1172	83.214-062	Human Ecology (5/21-7/27/07)	> Online Course		3	SL	Priscilla Mattson
CHEMISTRY							
1173	84.101-061	Applied Chemistry for Non-Scientists (5/21-7/27/07)	> Online Course		3	SL/SCL	Philip Lamprey
1174	84.101-062	Applied Chemistry for Non-Scientists (5/21-7/27/07)	> Online Course		3	SL/SCL	Philip Lamprey
1062	84.111-011	General Chemistry I	T/Th	7:00-10:00 pm	3	C: 84.113; SL/SCL	Department Faculty
1063	84.113-011	General Chemistry Laboratory I	T/Th	3:30-6:30 pm	1 (3)	C: 84.111; SL/SCL	Paul Damour
1064	84.121-011	Chemistry I	M/W	7:00-10:00 pm	3	C: 84.123; SL/SCL	Department Faculty
1065	84.122-011	Chemistry II	M/W	7:00-10:00 pm	3	P: 84.121; C: 84.124; SL/SCL	J. Barry Mahoney
1066	84.123-011	Chemistry I Laboratory	T/Th	7:00-10:00 pm	1 (3)	C: 84.121 SL/SCL	Paul Damour
1067	84.124-011	Chemistry II Laboratory	T/Th	7:00-10:00 pm	1 (3)	C: 84.122; SL/SCL	Theodore Coletta
1068	84.221-011	Organic Chemistry I (IA)	M/T/Th	2:45-5:15 pm	3	P: 84.122; C: 84.229	Gene Davis
1069	84.221-012	Organic Chemistry I (IA)	T/Th	7:00-10:00 pm	3	P: 84.122; C: 84.229	Gene Davis
1070	84.229-011	Organic Chemistry IA Laboratory	M/W	6:00-10:00 pm	1 (4)	C: 84.221	Judith Freeman
1071	84.229-012	Organic Chemistry IA Laboratory	T/Th	6:00-10:00 pm	1 (4)	C: 84.221	Judith Freeman
CIVIL ENGINEERING							
1329	14.204-011	Strength of Materials (alternate 22.212)	M-Th	8:00-10:00 am	3	P: 14.203	Faize Jamil
CLIENT/SERVER TECHNOLOGY							
(See courses listed under Information Technology) CERTIFICATE IN DATABASE MANAGEMENT TECHNOLOGIES (See page 4 for required courses.)							
COMPUTER SCIENCE							
2681	91.113-011	Exploring the Internet	T/Th	6:00-9:00 pm	3	Non-CS Majors only	Michael Krolak
1197	91.113-061	Exploring the Internet (5/21-7/27/07)	> Online Course		3	Non-CS Majors only	Patrick Krolak
2709	94.301-021 *	Organization of Programming Languages	TBA	TBA	3		Department Faculty
2710	94.305-021 *	Computer Architecture (5/21-8/24/07)	TBA	TBA	3		Department Faculty
1224	94.308-021 *	Introduction to Operating Systems (5/21-8/24/07)	TBA	TBA	3		Department Faculty
2711	94.404-021 *	Analysis of Algorithms (5/21-8/24/07)	TBA	TBA	3		Department Faculty
*Requires permission of Graduate Computer Science Coordinator							
CRIMINAL JUSTICE AND CRIMINOLOGY							
2603	44.221-011	Criminology	M/W	7:00-10:00 pm	3		Joseph Burke
2600	44.241-061	Physical Security (5/21-7/27/07)	> Online Course		3		Gail Beaudoin
2602	44.343-061	Forensic Psychology (5/21-7/27/07)	> Online Course		3		Denise Hines
2606	44.351-011	Community-Based Corrections	M/W	6:00-9:00 pm	3		Steven Sacco
2607	44.360-011	Gender, Race and Crime	T/Th	7:00-10:00 pm	3		Gail Beaudoin
2664	44.380-061 NEW!	Selected Topics: Emergency Management (5/21-7/27/07)	> Online Course		3		Allan Roscoe
1250	44.397-061	Crime Mapping (5/21-7/27/07)	> Online Course		3		Jacob Stowell
1025	44.398-011	Criminal Justice Data Analysis	M-Th	10:15 am-12:15 pm	3		Christopher Harris
For permission numbers and questions regarding the Undergraduate Criminal Justice Program, please email <a href="mailto:Kathleen_Roscoe@uml.edu">Kathleen_Roscoe@uml.edu</a> . CERTIFICATE IN PARALEGAL STUDIES CERTIFICATE IN SECURITY MANAGEMENT AND HOMELAND SECURITY (See page 4 for required courses.)							



UNDERGRADUATE CREDIT COURSES

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
CULTURAL STUDIES							
(For additional courses, see Art History and Languages)							
1292	54.411-061	Hispanic Short Fiction (5/21-7/27/07)	> Online Course		3	AE; conducted in English; requires MS Word	Francisca Gonzales-Arias
1225	58.101-061	Art Appreciation (5/21-7/27/07)	> Online Course		3	AE, HSA/AHD	Liana Cheney
2554	59.330-061	Italian Mannerism (5/21-7/27/07)	> Online Course		3	AE/HSA	Liana Cheney
ECONOMICS							
1039	49.201-011	Economics I (Microeconomics)	M-Th	8:00-10:00 am	3	P: 90.111; BS/SS	Harjeet Khosla
1040	49.201-012	Economics I (Microeconomics)	T/Th	6:00-9:00 pm	3	P: 90.111; BS/SS	Ronald Olive
1137	49.201-061	Economics I (Microeconomics) (5/21-7/27/07)	> Online Course		3	P: 90.111; BS/SS	Michael Carter
1138	49.201-062	Economics I (Microeconomics) (5/21-7/27/07)	> Online Course		3	P: 90.111; BS/SS	Nurul Aman
2698	49.201-063	Economics I (5/21-7/27/07)	> Online Course		3	P: 90.111; BS/SS	Joanne Spitz
1041	49.202-011	Economics II (Macroeconomics)	M/W	6:00-9:00 pm	3	P: 90.111; BS/SS	Patricia Machado
1140	49.202-061	Economics II (Macroeconomics) (5/21-7/27/07)	> Online Course		3	P: 90.111; BS/SS	Michael Carter
1141	49.202-062	Economics II (Macroeconomics) (5/21-7/27/07)	> Online Course		3	P: 90.111; BS/SS	Nurul Aman
2346	49.202-063	Economics II (Macroeconomics) (5/21-7/27/07)	> Online Course		3	P: 90.111; BS/SS	Muhammad Anwar
1042	49.211-011	Statistics for Business and Economics I	M/W	6:00-9:00 pm	3	P: 92.122 or equivalent; BS/SS	Harjeet Khosla
2349	49.211-061	Statistics for Business and Economics I (5/21-7/27/07)	> Online Course		3	P: 92.122 or equivalent; BS/SS	Kevin Carlson
1251	49.325-061	United States Economic History (5/21-7/27/07)	> Online Course		3	P: 49.201 or 49.202; SSD	Carol McDonough
ELECTRICAL AND COMPUTER ENGINEERING							
1002	16.201-011	Circuit Theory I	M/W	12:30-3:30 pm	3	P: 92.132; C: 16.207 or instructor permission	Tenneti Rao
2462	16.207-011	Basic EE Lab I	M/W	5:00 – 8:00 pm	2 (3)	P or C: 16.201	Senait Hailleselassie
1252	16.265-011	Logic Design I	M/W	9:15 am-12:15 pm	3	P: 25.108 or 91.101	Anh Tran
2461	16.311-011	Electronics I Lab	T/Th	5:00 – 8:00 pm	2 (3)	P or C:16.365	Senait Hailleselassie
1341	16.360-011	Engineering Electromagnetics I	M/W	2:00-5:00 pm	3	P: 16.202, 92.234	Dikshitulu Kalluri
1003	16.362-011	Signals and Systems I	T/Th	2:30-5:30 pm	3	P: 16.202, 92.236	Mufeed Mah'd
1004	16.364-011	Engineering Mathematics	M/W	2:00-5:00 pm	3	P: 92.236, 16.201	Anh Tran
1005	16.428-011	Alternative Energy Sources	M/W	6:00-9:00 pm	3	P: Permission of instructor	Ziyad Salameh
1006	16.429-011	Electric Vehicle Technology	T/Th	6:00-9:00 pm	3	P: Permission of instructor	Ziyad Salameh
1254	16.460-011	Biomedical Instrumentation	T/Th	6:00-9:00 pm	3	P: 92.132, 95.144	Mufeed Mah'd
ENGLISH							
1018	42.101-011	College Writing I	M-Th	8:00-10:00 am	3		Kathleen Doherty
1107	42.101-061	College Writing I (5/21-7/27/07)	> Online Course		3	P: Requires MS Word	Richard Keating
1257	42.102-011	College Writing II	T/Th	7:00-10:00 pm	3	P: 42.101	Mary Hojnacki
1109	42.102-061	College Writing II (5/21-7/27/07)	> Online Course		3	P: 42.101; requires MS Word	Marialana Salamone
1381	42.102-062	College Writing II (5/21-7/27/07)	> Online Course		3	P: 42.101; requires MS Word	Marialana Salamone
1111	42.212-061	The Short Story (5/21-7/27/07)	> Online Course		3	P: 42.102; LT/AH; requires MS Word	Claudine Perreault
2573	42.216-011 NEW!	Monsters, Apes and Nightmares	M-Th	8:00-10:00 am	3	P: 42.102	Todd Avery
1020	42.217-011	The Horror Story	T/Th	7:00-10:00 pm	3	P: 42.102; LT/AH	Todd Avery
1258	42.217-061	The Horror Story (5/21-7/27/07)	> Online Course		3	P: 42.102; LT/AH; requires MS Word	Lisa Mahoney
1259	42.217-062	The Horror Story (5/21-7/27/07)	> Online Course		3	P: 42.102; LT/AH; requires MS Word	Lisa Mahoney
1260	42.221-061	Writing for Interactive Media (5/21-7/27/07)	> Online Course		3		Timothy Garrand
1114	42.224-061*	Business Writing (5/21-7/27/07)	> Online Course		3	P: 42.102; requires MSWord	Nancy Brown
1226	42.224-062*	Business Writing (5/21-7/27/07)	> Online Course		3	P: 42.102; requires MS Word	Nancy Brown
1261	42.226-061*	Technical and Scientific Communication (5/21-7/27/07)	> Online Course		3	P: 42.102; requires MS Word	Peter Payack
1021	42.232-011	Turning Fiction Into Film	M/W	7:00-10:00 pm	3	P: 42.102; LT/AH	Dina Bozicas
1262	42.267-011	Introduction to Shakespeare	M-Th	10:15 am-12:15 pm	3	P: 42.102; LT/AH	William Hersey
1263	42.291-061	History of English Literature I (5/21-7/27/07)	> Online Course		3	P: 42.102; LT/AH	Jonathan Martin
1022	42.294-011	History of American Literature I	M-Th	10:15 am-12:15 pm	3	P: 42.102; LT/AH	Anthony Szczesiul
2402	42.323-011 NEW!	Writing About People	M/W	7:00-10:00 pm	3	P: 42.102	Diana Archibald
1233	42.413-021	Advanced Software Writing (5/21-8/17/07)	Tues	6:00-9:00 pm	3	P: 42.412	Stephen Murphy
*Students will not receive credit for both 42.224 and 42.226. CERTIFICATE IN TECHNICAL WRITING (See page 4 for required courses.)							
GRAPHIC DESIGN AND DIGITAL IMAGING							
(See courses listed under Art and Information Technology)							
CERTIFICATE IN GRAPHIC DESIGN AND DIGITAL IMAGING (See page 3 for required courses.)							
HEALTH							
1264	31.201-061	Community Health and Environment (5/21-7/27/07)	> Online Course		3	Open to all students	Nicole Champagne
1265	35.101-011	Human Anatomy and Physiology I	T/Th	6:15-9:15 pm	3	C: 35.103; SL/SCL	Paul Fierimonte
1013	35.103-011	Human Anatomy and Physiology Laboratory I	T/W	1:00-5:30 pm	1 (3)	C: 35.101; SL/SCL	Melissa Carroll
2695	35.206-011	Human Nutrition	T/Th	6:00-9:00 pm	3		Elizabeth Goodrow
1331	35.207-011	Fitness and Nutrition	M/W	6:00-9:00 pm	3		Allison Sigler
1014	36.350-011	Human Biochemistry	M-Th	10:15 am-12:15 pm	3	P: 35.252 or equivalent	Thomas Wilson
2696	38.315-011	Kinesiology	T/Th	9:00-11:00 am	3		Keith Hallbourg
2687	38.317-011	Kinesiology Lab	Th	11:30 am-2:30 pm	1 (3)	P: 30.315	Keith Hallbourg
2713	38.356-011	Pharmacology	TBA	6:00-9:00 pm	3	P: 35.102 and Chemistry	Department Faculty
CERTIFICATE IN NUTRITION (See page 3 for required courses.)							
HISTORY							
(See also Art History)							
1117	43.107-061	World History I (5/21-7/27/07)	> Online Course		3	HS	David Kalivas
1023	43.111-011	U.S. History to 1877	M/W	6:00-9:00 pm	3	HS/AHD	Diane Lewis
1266	43.242-061	World War II (5/21-7/27/07)	> Online Course		3	HS; requires proctored exams	Donald Mattheisen
1267	43.274-061	Native American History (5/21-7/27/07)	> Online Course		3	HS	Diane Lewis
2310	43.339-011 NEW!	Nationalism	T/Th	7:00-10:00 pm	3		Leonid Blickstein
1337	43.350-011	Colonial America	M/W	6:30-9:30 pm	3	HS/AHD	Harry Hubbard
1024	43.365-011	United States History Since 1960	T/Th	6:00-9:00 pm	3	HS	Stephen Russell
INFORMATION TECHNOLOGY							
(Including Multimedia and Computer Graphics)							
1181	90.160-011	Introduction to Information Systems	M/W	6:00-9:00 pm	3		Christopher Gambon
1268	90.160-061	Introduction to Information Systems (5/21-7/27/07)	> Online Course		3		Lisa Panagopoulos
1182	90.180-061	Applications Software: Microsoft® Excel (5/21-7/27/07)	> Online Course		3	P: 90.202 or equivalent; requires MS® Excel 2002 or higher	Robin Desmond
2626	90.202-011	Microsoft® Office	T/Th	6:00-9:00 pm	3	P: Requires MS® Office® XP	Terry Bass
1270	90.202-061	Microsoft® Office (5/21-7/27/07)	> Online Course		3	P: Requires MS® Office® XP or higher	Robin Desmond
1074	90.211-011*	Introduction to Programming with C - Part I	T/Th	7:00-10:00 pm	3	P: No previous prog. experience required	James Brzowski
1184	90.211-061*	Introduction to Programming with C Part I (5/21-7/27/07)	> Online Course		3	P: No previous prog. experience required; ANSI C/C++ standard compiler required	James Sears



# UNDERGRADUATE CREDIT COURSES

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
1185	90.212-061 *	Introduction to Programming with C - Part II (5/21-7/27/07)	> Online Course		3	P: 90.211; requires ANSI C/C++ standard compiler	Lisa Panagopoulos
2638	90.220-011	Visual Basic®	M/W	7:00-10:00 pm	3		Leo Javits
2677	90.230-011	Introduction to Multimedia	T/Th	7:00-10:00 pm	3	P: Basic Mac or Windows proficiency	Chris Perry
1273	90.230-061	Introduction to Multimedia (5/21-7/27/07)	> Online Course		3	P: Basic Mac or Windows proficiency; requires eZedia MX	Robert Graham
2707	90.231-061	Graphics for Multimedia and the World Wide Web/Windows (5/21-7/27/07)	> Online Course		3	P: 90.230; requires Photoshop 5.0 or higher; access to a scanner	Randy Howe
2708	90.232-031	Desktop Video Production (5/21-8/17/07)	> Online Course		3	P: 90.230; requires Adobe Premiere Elements 3.0 for the PC or Final Cut Express 3.5 for the Mac	Michael Lucas
1274	90.238-061	Website Development: Microsoft Expression Web/Windows (5/21-7/27/07)	> Online Course		3	P: 90.291; 90.231 recommended; requires MS Expression Web	Judith Feeney
1186	90.247-031	Web Authoring: Flash (5/21-8/17/07)	> Online Course		3	P: 90.291, 90.302 or prog. familiarity; requires Macromedia Flash MX or higher	Beatrice Lee
1275	90.250-061	E-Commerce on the Web (5/21-7/27/07)	> Online Course		3	P: 90.238	Robert Graham
2642	90.267-011 *	C Programming	T/Th	6:00-9:00 pm	3	P: Previous programming experience	Nancy Kierman
2641	90.267-061 *	C Programming (5/21-7/27/07)	> Online Course		3	P: Previous programming experience; requires Ansi C/C++ compiler software	Timothy Niesen
1276	90.267-062 *	C Programming (5/21-7/27/07)	> Online Course		3	P: Previous programming experience; requires Ansi C/C++ compiler software	Timothy Niesen
2643	90.268-011	C++ Programming	T/Th	7:00-10:00 pm	3	P: 90.267 or 90.212	Thomas Kostizak
1188	90.268-061	C++ Programming (5/21-7/27/07)	> Online Course		3	P: 90.267 or 90.212; requires C++ compiler software	Mark Hertel
1277	90.269-061	Advanced C++ (5/21-7/27/07)	> Online Course		3	P: 90.268, experience with Data Structures; requires C++ compiler software	Lance Smith
1278	90.270-061	Visual C++.Net (5/21-7/27/07)	> Online Course		3	P: 90.268; requires Visual Studio .NET	Barbara Bancroft
1279	90.291-061	Introduction to DHTML (5/21-7/27/07)	> Online Course		3		William Dubie
1281	90.292-061	Advanced DHTML (5/21-7/27/07)	> Online Course		3	P: 90.291	Isobel Davis
1282	90.297-061	Introduction to Java Programming (5/21-7/27/07)	> Online Course		3	P: Previous programming experience required; requires J2Se, Version 5.0 or higher	Lance Smith
1392	90.301-011	Java™ Programming/Windows	M/W	7:00-10:00 pm	3	P: 90.297 or 90.268	J. Peter Weston
2645	90.301-061	Java™ Programming/Windows (5/21-7/27/07)	> Online Course		3	P: 90.297 or 90.268	Department Faculty
1283	90.302-061	JavaScript (5/21-7/27/07)	> Online Course		3	P: 90.291 or knowledge of HTML	David Sciuto
2646	90.303-061	Advanced Java Programming (5/21-7/27/07)	> Online Course		3	Requires Sun Java Development Kit	N. Fred Yao
1284	90.305-061	Introduction to Perl (5/21-7/27/07)	> Online Course		3	P: 90.267	Gregory Rushton
1189	90.306-061	Introduction to XML (5/21-7/27/07)	> Online Course		3	P: 90.291 and 90.474; mastery of DHTML and familiarity with database concepts; requires Altova's XML Spy Home Version	David Sciuto
2647	90.311-011	Introduction to the UNIX® Operating System	T/Th	7:00-10:00 pm	3		Andrew Garside
1285	90.311-061	Introduction to the UNIX Operating System (5/21-7/27/07)	> Online Course		3		Fred Vegliante
2648	90.312-011	Shell Scripting	T/Th	7:00-10:00 pm	3	P: 90.311, and 90.267 or 90.212	Sean McGowan
1286	90.312-061	Shell Scripting (5/21-7/27/07)	> Online Course		3	P: 90.311, and 90.267 or 90.212	Michael Richards
2650	90.316-061	UNIX System Administration (5/21-7/27/07)	> Online Course		3	P: 90.312	Michael Richards
1287	90.319-061	Introduction to Linux® Programming (5/21-7/27/07)	> Online Course		3	P: Requires Fedora (Install Core 3 or 4)	C. Justin Seiferth
1288	90.321-061	Linux System Administration (5/21-7/27/07)	> Online Course		3	P: Shell Scripting experience; required software included with text	Barbara Bancroft
1336	90.360-061	Introduction to Data Structures Using C (5/21-7/27/07)	> Online Course		3	P: 90.364, and 90.267 or 90.212; requires Ansi C/C++ compiler software	Isobel Davis
2653	90.364-061	Problem Solving with C (5/21-7/27/07)	> Online Course		3	P: 90.212 or 90.267; requires Ansi C/C++ software	Sean McGowan
1338	90.385-061	Introduction to Information Security (5/21-7/27/07)	> Online Course		3	P: 90.160 and 90.202, or equivalent	Tak Yin Wong
2654	90.443-011	Fundamentals of Client/Server Computing	T/Th	6:00-9:00 pm	3		Umesh Bhargava
1289	90.450-021	Database Administration I: Introduction to Oracle 10g (5/21-8/17/07)	Th	7:00-10:00 pm	3		T. Michael Cummings
2699	90.454-011	Oracle 10g SQL Development	M/W	7:00-10:00 pm	3		Jeffrey Yang
1190	90.457-061	Network Security (5/21-7/27/07)	> Online Course		3	P: 90.462 or related experience	Tak Yin Wong
1290	90.459-021	PL/SQL I: Introduction to Oracle 10g PL/SQL (5/21-8/17/07)	Tues	7:00-10:00 pm	3		Leon Xia
1191	90.460-061	Computer Ethics (5/21-7/27/07)	> Online Course		3	VC	Paul Giguere
2655	90.461-011	LAN/WAN Technologies	T/Th	6:00-9:00 pm	3	P: 90.267 or previous prog. experience	Jaime Fernandez
1192	90.461-061	LAN/WAN Technologies (5/21-7/27/07)	> Online Course		3	P: 90.267 or previous prog. experience	Edwin Barnes
2680	90.462-011	TCP/IP and Network Architecture	T/Th	6:00-9:00 pm	3	90.461	Arvind Kukreja
1193	90.462-061	TCP/IP and Network Architecture (5/21-7/27/07)	> Online Course		3	P: 90.461	Edwin Barnes
1194	90.464-061	Network Management (5/21-7/27/07)	> Online Course		3	P: 90.461	Jaime Fernandez
2657	90.474-061	Relational Database Concepts (5/21-7/27/07)	> Online Course		3	P: 90.267	Paul Giguere
1195	90.480-061	Project-Based Information Systems (5/21-7/27/07)	> Online Course		6	P: Junior status; can be used to replace the sequence of 90.477 and 90.478; requires MS Power Point or OpenOffice	Jon Forsyth
2659	90.480-062	Project-Based Information Systems (5/21-7/27/07)	> Online Course		6	P: Junior status; can be used to replace the sequence of 90.477 and 90.478; requires MS Power Point or OpenOffice	Jon Forsyth

\*Students will not receive credit for both 90.267 and the 90.211/90.212 sequence.  
CERTIFICATE IN CONTEMPORARY COMMUNICATIONS  
CERTIFICATE IN DATABASE MANAGEMENT TECHNOLOGIES (See page 4 for required courses.)  
CERTIFICATE IN DATA/TELECOMMUNICATIONS (See page 4 for required courses.)  
CERTIFICATE IN FUNDAMENTALS OF INFORMATION TECHNOLOGY (See page 4 for required courses.)  
CERTIFICATE IN MULTIMEDIA APPLICATIONS (See page 3 for required courses.)  
CERTIFICATE IN UNIX (See page 4 for required courses.)  
CERTIFICATE IN WEBSITE DESIGN AND DEVELOPMENT (See page 3 for required courses.)

LANGUAGES							
2332	50.101-011	French I and Culture	M-Th	8:00-10:00 am	3		Valerie Paterson
2331	50.102-011	French II and Culture	M-Th	10:15 am-12:15 pm	3		Valerie Paterson
1043	50.211-011	Intermediate French I and Cultural	T/Th	7:00-10:00 pm	3	P: 50.102 or equivalent	Department Faculty
2552	53.115-011 NEW!	Arabic I and Culture	M-Th	8:00-10:00 am	3		Atef Ghobrial
2553	53.215-011 NEW!	Intermediate Arabic I and Culture	M-Th	10:15 am-12:15 pm	3		Atef Ghobrial
1044	54.101-011	Spanish I and Culture	M-Th	10:15 am-12:15 pm	3		Department Faculty
1146	54.102-011	Spanish II and Culture	T/Th	7:00-10:00 pm	3	P: 54.102 or equivalent	Ana Cristina Ramirez
1046	54.211-011	Intermediate Spanish I and Culture	M-Th	12:30-2:30 pm	3	P: 54.102 or equivalent	Francisca Gonzales-Arias
1292	54.411-061	Hispanic Short Fiction (5/21-7/27/07)	> Online Course		3	AE; conducted in English; requires MS Word	Francisca Gonzales-Arias
CERTIFICATE IN SPANISH AND LATIN AMERICAN							

LEGAL STUDIES							
(See also Paralegal Studies)							
1294	41.262-011	Introduction to Business Law	M/W	6:30-9:30 pm	3	SS	William Burke
2561	41.363-011	Corporate and Property Law	T/Th	6:30-9:30 pm	3		Eugene Reardon
1332	41.366-061	International Law (5/21-7/27/07)	> Online Course		3		Bernard Cookson
2662	41.367-011	Environmental Law	T/Th	6:30-9:30 pm	3		William Burke
1105	41.370-061	Real Estate Law (5/21-7/27/07)	> Online Course		3		Patricia Sullivan Talty

❖ (See page 3 for details.)

See our Website at <http://continuinged.uml.edu>



# UNDERGRADUATE CREDIT COURSES

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
1016	41.376-011	Family Law	T/Th	7:00-10:00 pm	3		Russell Karl
2700	41.376-061	Family Law (5/21-7/27/07)	➤ Online Course		3	Requires proctored exams; microphone or headset recommended	Russell Karl
1311	41.381-061	Women and the Law (5/21-7/27/07)	➤ Online Course		3	Requires MS Word	Donna Zils Banfield
2334	41.387-061	Legal Research Methods (5/21-7/27/07)	➤ Online Course		3	Law library access required	Martha Lipchitz O'Connor
1295	41.390-061	Litigation (5/21-7/27/07)	➤ Online Course		3		Ellen Curran
1017	41.497-011	Legal Studies Practicum	TBA	TBA	3	P: Permission of Prof. William Burke, Coord., Legal Studies; call (978) 934-2765	William Burke

## CERTIFICATE IN PARALEGAL STUDIES

MANAGEMENT							
2535	61.300-011 *	Investments (5/21-6/22/07)(5 weeks)	T/Th	6:00-10:00 pm	3	COM filter courses and COM Dean permission	Devendra Prasad
1052	61.301-011 *	Business Finance	M/W	6:00-9:00 pm	3	P: 60.201, 49.201, 49.202, COM filter courses, BSBA majors or Business Minor/BSIT/ASIT with 54+ credits and COM Dean permission	Ravi Jain
1154	61.301-061 *	Business Finance (5/21-7/13/07)	➤ Online Course		3	P: 60.201, 49.201, 49.202, COM filter courses, BSBA majors or Business Minor/BSIT/ASIT with 54+ credits and COM Dean permission; requires proctored exams and logarithm calculator.	Yash Puri
1296	61.303-061 * NEW!	Methods of Financial Analysis (5/21-7/13/07)	➤ Online Course		3	P: 61.301, BSBA majors and COM Dean permission.	Ravi Jain
1155	62.201-061	Marketing Principles (5/21-7/13/07)	➤ Online Course		3	P: 47.101, 48.101, 49.201; requires proctored exams	Duncan LaBay
1055	63.210-011	Operations Analysis Techniques	M/W	8:00-11:00 am	3	P: 49.211	M. Riaz Khan
1297	63.301-011 *	Management Information Systems	T/Th	9:00 am-Noon	3	P: COM filter courses, BSBA majors or Business minor/BSIT/ASIT with 54+ credits and COM Dean permission.	Edward Chen
1158	63.301-031 *	Management Information Systems (5/21-8/17/07)	➤ Online Course		3	P: COM filter courses, BSBA majors or Business minor/BSIT/ASIT with 54+ credits and COM Dean permission; requires proctored exams	David Lewis
2536	66.210-011	Professional Communications	M/W	9:00 am-Noon	3	P: BSBA students and COM Dean permission	James Moran
2537	66.210-012	Professional Communications	T/Th	6:00-9:00 pm	3	P: BSBA students and COM Dean permission	Karen Hvizda
1161	66.301-061 *	Organizational Behavior (5/21-7/13/07)	➤ Online Course		3	P: COM filter courses, BSBA majors or Business minor/BSIT/ASIT with 54+ credits and COM Dean permission; req. proctored exams	Stuart Freedman
1056	66.490-011 *	Strategic Management	M/W	6:00 -9:00 pm	3	P: Graduating seniors only; 61.301, 62.201, 63.301, 63.371, 66.301 BSBA students and COM Dean permission	Ashwin Mehta
*Before registering for all 300/400-level College of Management courses, students must meet all prerequisites and submit a "College of Management Dean Permission Request Form." Please visit <a href="http://continuinged.uml.edu/general/information.htm">http://continuinged.uml.edu/general/information.htm</a> to fill out the form online.							

MATHEMATICS							
2269	90.111-011 *	Fundamentals of Algebra	T/Th	7:00-10:00 pm	3		Patricia Gifford
1075	92.111-011 *	Quantitative Reasoning	M-Th	10:15 am-12:15 pm	3	P: Two years of high school algebra; Liberal Arts majors only; no credit toward a degree in science or engineering; MA	Alan Kaplan
2270	92.120-011 **	Precalculus Mathematics I	T/Th	6:30-9:30 pm	3	P: 90.111 or equivalent or satisfactory score on the Math Placement Exam given the first evening of class	Candice Weston
2271	92.120-061 **	Precalculus Mathematics (5/21-7/27/07)	➤ Online Course		3	P: 90.111 or equivalent; MA; designed for students who can work independently in math	Department Faculty
1357	92.121-011	Management Precalculus	M-Th	8:00-10:00 am	3	MA	Alan Kaplan
1076	92.122-011	Management Calculus	M-Th	10:15 am-12:15 pm	3	P: 92.119 or 92120 or 92.121 or equivalent; not for science or engineering majors; MA	Alexander Olsen
1077	92.122-012	Management Calculus	M/W	6:00-9:00 pm	3	P: 92.119 or 92120 or 92.121 or equivalent; not for science or engineering majors; MA	Patricia Gifford
1298	92.123-011	Precalculus Mathematics II	M/W	6:00-9:00 pm	3	P: 92.120; MA	Department Faculty
1078	92.125-011	Calculus A	T/Th	6:00-9:00 pm	3	P: 92.123; MA	Theresa Schille
1299	92.126-011	Calculus B	M/W	6:00-9:00 pm	3	P: 92.125; MA	Ashot Shahinian
2272	92.127-011	Preparation For Calculus	M-F	8:00-10:00 am	4		Ronald Brent
1203	92.131-021	Calculus I (5/21-8/17/07)	M/W/F	8:00-10:00 am	4	MA	John Lahoud
1204	92.131-022	Calculus I (5/21-8/17/07)	M/W/F	10:15 am-12:15 pm	4	MA	John Lahoud
1205	92.132-021	Calculus II (5/21-8/17/07)	M/W/F	8:00-10:00 am	4	P: 92.131; MA	Marvin Stick
1206	92.132-022	Calculus II (5/21-8/17/07)	M/W/F	10:15 am-12:15 pm	4	P: 92.131; MA	Marvin Stick
2273	92.151-011	Explorations in Mathematics	M/W	6:30-9:30 pm	3	Liberal Arts majors only; MA	Department Faculty
2278	92.226-011	Calculus D	M/W	6:00-9:00 pm	3	P: 92.225	Philip Breen
1080	92.231-011	Calculus III	M-F	10:15 am-12:15 pm	4	P: 92.132	Ronald Brent
1081	92.234-011	Differential Equations	T/Th	6:00-9:00 pm	3	P: 92.225 or 92.132	Rida Mirie
1302	92.236-011	Engineering Differential Equations+	M-F	8:00-10:00 am	3 (4)	P: 92.225 or 92.132	Vidhu Prasad
2275	92.283-011	Introduction to Statistics	M-Th	8:00-10:00 am	3	P: 90.111 or equivalent; MA	Department Faculty
2276	92.283-012	Introduction to Statistics	M/W	6:00-9:00 pm	3	P: 90.111 or equivalent; MA	Alexander Olsen
2277	92.283-061	Introduction to Statistics (5/21-7/27/07)	➤ Online Course		3	P: 90.111 or equivalent; MA	Ann Marie Hurley
1301	92.225-011	Calculus C	M/W	6:00-9:00 pm	3	P: 92.126; MA	Rida Mirie
1303	92.321-061	Discrete Structures I (5/21-7/27/07)	➤ Online Course		3	P: 90.112 or 92.120; designed for students who can work independently in math	Alan Doerr
1304	92.322-011	Discrete Structures II	M-Th	10:15 am-12:15 pm	3	P: 92.321	Alan Doerr
2279	92.363-011	Introduction to Data Analysis	M-Th	10:15 am-12:15 pm	3	P: 92.183 or equivalent; MA	Department Faculty
1082	92.386-011	Probability and Statistics I	M/W	6:00-9:00 pm	3	P: 92.225 or 92.132	Chittur Venkatesh
1212	92.419-021 ***	Introduction to Mathematica® (5/21-7/27/07)	➤ Blended Course		3	Requires Mathematica 4.0 or higher	Kenneth Levasseur
1305	92.450-011	Mathematical Modeling	T/Th	6:00-9:00 pm	3	P: 92.225 or 92.132	James Graham Eagle
2280	92.375-011	Senior Seminar I	TBA	TBA	1	P: Permission of Coordinator	Department Faculty
1377	92.475-011	Senior Seminar II	TBA	TBA	3	P: Permission of Coordinator	Department Faculty

\*Fundamentals of Algebra (90.111) is a preparatory course and cannot be credited toward a degree program at the University of Massachusetts Lowell.

\*\*Credit is given for only one of the three following courses: 90.119, 92.120 or 92.121. For students in the Information Technology Program, 92.120 or 92.121 can be substituted for the combination of 90.112 and 90.119.

\*\*\*This course is a blended course (combination of face-to-face and online courses). The face-to-face meetings will be in OH 521 on 5/22, 5/29, 6/12, 7/10 from 3:00 pm to 6:00 pm. All other meetings will be online.

University of Massachusetts Lowell day students must have approval from their Department Chairperson before taking courses with a 90 prefix. Many 500-level courses are well within the grasp of upper level undergraduates and may be used as electives. Contact the Graduate School for course listings and admissions procedures.

MECHANICAL ENGINEERING							
1306	22.212-011	Strength of Materials (alternate 14.204)	M-Th	8:00-10:00 am	3	P: 22.211, 92.132	Faize Jamil
2559	22.242-011	Thermodynamics	T/Th	7:00-10:00 pm	3	P: 92.132 and 95.245, 84.117 or 84.121	John Colluccini

MULTIMEDIA APPLICATIONS							
(See courses listed under Information Technology)							
CERTIFICATE IN MULTIMEDIA APPLICATIONS (See page 3 for required courses.)							



# UNDERGRADUATE CREDIT COURSES

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
MUSIC							
1058	71.102-011	Music Theory 2	M-Th	8:00-10:00 am	3	P: 71.101	Andrea Kowalski
1059	71.104-011	Aural Skills 2	M-Th	10:15-11:35 am	1 (2)	P: 71.103	Mary Greitzer
1060	71.201-011	Music Theory 3	M-Th	10:15 am-12:15 pm	3	P: 71.102	Andrea Kowalski
1061	71.203-011	Aural Skills 3	M-Th	8:00-9:20 am	1 (2)	P: 71.102	Mary Greitzer
1169	77.499-021	Music Business Internship (5/21-7/27/07)	TBA	TBA	6	P: Permission of Chair	Alan Williams
1170	78.493-021	Internship in Sound Recording Technology (5/21-7/27/07)	TBA	TBA	6	P: Permission of Coordinator	William Moylan
PARALEGAL STUDIES							
(See also Legal Studies)							
2561	41.363-011	Corporate and Property Law	T/Th	6:30-9:30 pm	3		Eugene Reardon
1105	41.370-061	Real Estate Law (5/21-7/27/07)	> Online Course		3		Patricia Sullivan Talty
1016	41.376-011	Family Law	T/Th	7:00-10:00 pm	3		Russell Karl
2700	41.376-061	Family Law (5/21-7/27/07)	> Online Course		3	Requires proctored exams; microphone on headset recommended	Russell Karl
2334	41.387-061	Legal Research Methods (5/21-7/27/07)	> Online Course		3	Law library access required	Martha Lipchitz O'Connor
1295	41.390-061	Litigation (5/21-7/27/07)	> Online Course		3		Ellen Curran
1017	41.497-011	Legal Studies Practicum	TBA	TBA	3	P: Minimum of three paralegal courses and permission of Prof. William Burke, Coordinator, Legal Studies; call (978) 934-2765	William Burke
CERTIFICATE IN PARALEGAL STUDIES							
PHILOSOPHY							
1027	45.201-011	Introduction to Philosophy	T/Th	7:00-10:00 pm	3	VC, AHE	Michael Koran
1126	45.201-061	Introduction to Philosophy (5/21-7/27/07)	> Online Course		3	VC, AHE	Donald LeBlanc
1028	45.202-011	Introduction to Logic and Critical Reasoning	T/Th	7:00-10:00 pm	3	VC, AHE	James Hart
1029	45.203-011	Introduction to Ethics	M/W	7:00-10:00 pm	3	VC, AHDE	Department Faculty
CERTIFICATE IN CONTEMPORARY COMMUNICATIONS (See page 4 for required courses.)							
PHYSICS							
1083	95.103-011	General Physics I	M-Th	8:00-10:00 am	3	C: 96.103; SL/SCLO	Arthur Mittler
1084	95.141-011	Physics I	M-F	8:00-10:00 am	3 (4)	C: 92.131, 96.141; SL	F. Raymond Hardy
1085	95.144-011	Physics II	M-F	8:00-10:00 am	3 (4)	P: 95.141. C: 92.132, 96.144; SL	Kunnat Sebastian
1086	96.103-011	General Physics I Lab (2 days/week)	T/Th	12:30-3:30 pm	1 (2)	C: 95.103 or 95.201; SL	Arthur Mittler
1087	96.141-011	Physics I Lab (2 days/week)	M/W	1:00-4:00 pm	1 (2)	C: 95.141; SL/SCLO	F. Raymond Hardy
1088	96.144-011	Physics II Lab (2 days/week)	T/Th	1:00-4:00 pm	1 (2)	P: 96.141. C: 95.144; SL	Department Faculty
1089	99.101-061	Radiation and Life (5/21-7/27/07)	> Online Course		3	SCLO	Thomas Regan
1090	99.102-011	Radiation and Life Lab	M/W	3:30-5:30 pm	1 (2)	P: or C: 99.101; SCLO	Thomas Regan
PLASTICS							
1011	27.451-011	Selected Topics I	M/W	7:00-10:00 pm	3		Stephen Driscoll
1098	27.452-011	Selected Topics II	T/Th	7:00-10:00 pm	3		Stephen Driscoll
POLITICAL SCIENCE							
1030	46.101-011	Introduction to American Politics	M-Th	10:15 am-12:15 pm	3	BS/SS	George Anthes
2557	46.101-061	Introduction to American Politics (5/21-7/27/07)	> Online Course		3	BS/SS	Donald Leonard
2555	46.112-011	Introduction to Comparative Political Systems	M/W	7:00-10:00 pm	3	SSD	Department Faculty
2558	46.121-061	Introduction to International Relations (5/21-7/27/07)	> Online Course		3	SSD	Arend Holtslag
2568	46.265-011	NEW! Introduction to State and Local Politics	T/Th	7:00-10:00 pm	3		Dennis Deeb
PSYCHOLOGY							
1032	47.101-011	General Psychology	T/Th	6:30-9:30 pm	3	BS/SS	John Kendrick
1130	47.101-061	General Psychology (5/21-7/27/07)	> Online Course		3	BS/SS; requires MS Word	Meredith Stanford-Pollock
1131	47.101-062	General Psychology (5/21-7/27/07)	> Online Course		3	BS/SS; requires MS Word	Meredith Stanford-Pollock
2311	47.232-061	Psychology of Personality (5/21-7/27/07)	> Online Course		3	P: or C: 47.101; BS/SS; requires MS Word	Joan Cannon
2336	47.255-061	Community Psychology (5/21-7/27/07)	> Online Course		3	P: or C: 47.101; BS/SSD	Erika Sanborne
1345	47.260-061	Child and Adolescent Development (5/21-7/27/07) (formerly Human Development I)	> Online Course		3	P: or C: 47.101; BS/SS	Patricia Trela
1033	47.272-011	Abnormal Psychology	T/Th	6:00-9:00 pm	3	P: 47.101; BS/SS	Marie Murphy
1034	47.273-011	Brain, Mind and Behavior	M-Th	8:00-10:00 am	3	P: 47.101	Mary Duell
2312	47.277-061	Sensation and Perception (5/21-7/27/07)	> Online Course		3	P: 47.101	David Landrigan
1307	47.328-011	Dynamics of Interpersonal Relations	M/W	6:00-9:00 pm	3	P: 47.101	Deborah Busser
1133	47.335-061	Psychology and Women (5/21-7/27/07)	> Online Course		3	P: 47.101; BS/SSD	Charlene Drake
1308	47.351-061	Human Sexuality (5/21-7/27/07)	> Online Course		3	P: 47.101; BS/SS	Mary Duell
2313	47.369-061	Research II: Statistics (5/21-7/27/07)	> Online Course		3	P: 47.101, grade of "C" or better in 47.269	David Landrigan
1309	47.472-061	Seminar: Personality (5/21-7/27/07)	> Online Course		3	P: 47.101	Joan Cannon
1344	47.477-061	Seminar: Contemporary Trends-Addictions (5/21-7/27/07)	> Online Course		3	P: 47.101	Richard Siegel
SOCIOLOGY							
1036	48.101-011	Introduction to Sociology	M-Th	8:00-10:00 am	3	BS/SSD	Levon Chorbajian
2546	48.111-011	A Novel Approach to Sociology	T/Th	7:00-10:00 pm	3	P: not open to students who have taken Sociology Through Literature	William Lekas
1310	48.220-061	Self-Assessment and Career Development (5/21-7/27/07)	> Online Course		3		Charlene Drake
1037	48.234-011	The Study of Minorities	M/W	7:00-10:00 pm	3	P: 48.101	Christopher Cass
2549	48.380-011	Sociology of Mass Media	T/Th	7:00-10:00 pm	3		Levon Chorbajian
TECHNICAL WRITING							
1233	42.413-021	Advanced Software Writing (5/21-8/17/07)	Tues	6:00-9:00 pm	3	P: 42.412	Stephen Murphy
CERTIFICATE IN TECHNICAL WRITING (See page 4 for required courses.)							
WEBSITE DESIGN AND DEVELOPMENT							
(See courses listed under Information Technology.)							
CERTIFICATE IN WEBSITE DESIGN AND DEVELOPMENT (See page 3 for required courses.)							
WOMEN'S STUDIES							
1311	41.381-061	Women and the Law (5/21-7/27/07)	> Online Course		3	Requires MS Word	Donna Zils Banfield
1133	47.335-061	Psychology and Women (5/21-7/27/07)	> Online Course		3	P: 47.101; BS/SSD	Charlene Drake



UNDERGRADUATE CREDIT COURSES

July 9–August 17  
Summer Session II

**Day Classes** begin on July 9 and meet Monday through Thursday for 3-credit courses and meet Monday through Friday for 4-credit courses.  
**M/W Evening Classes** begin on July 9 and include 2 FRIDAYS: July 20 and August 3 at the regularly scheduled hours.  
**T/Th Evening Classes** begin on July 10 and include 2 FRIDAYS: July 27 and August 10 at the regularly scheduled hours.

Reminder: This course listing combines the University of Massachusetts Lowell day school courses and the continuing studies courses. It is important to check course numbers and prerequisites to ensure enrollment in the correct class.

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
ART HISTORY							
2322	58.323-021	NEW! Northern Renaissance Art	T/Th	7:00-10:00 pm	3	AE, HSA	Liana Cheney
CHEMISTRY							
1175	84.112-021	General Chemistry II	T/Th	7:00-10:00 pm	3	P: 84.111 or permission of instructor; C:84.114; S/SCLL	Department Faculty
1176	84.114-021	General Chemistry Lab II	T/Th	3:30-6:30 pm	1 (3)	P: 84.113 or permission of instructor; C: 84.112; SL/SCL	Athena Letsou
1177	84.122-021	Chemistry II	M/W	7:00-10:00 pm	3	P: 84.121 and 84.123. C: 84.124; SL	J. Barry Mahoney
1178	84.124-021	Chemistry II Lab	T/Th	7:00-10:00 pm	1 (3)	P: 84.123; C: 84.122; SL/SCL	Paul Damour
1400	84.124-022	Chemistry II Laboratory	T/Th	7:00-10:00 pm	1 (3)	C: 84.122; SL/SCL	Theodore Coletta
1179	84.222-021	Organic Chemistry II A	M/T/Th	2:45-5:15 pm	3	P: 84.221. C: 84.230; SL	Gene Davis
1180	84.222-022	Organic Chemistry II A	T/Th	7:00-10:00 pm	3	P: 84.221. C: 84.230; SL	Gene Davis
1231	84.230-021	Organic Chemistry II A Lab	T/Th	6:00-10:00 pm	1 (4)	P: 84.229; C: 84.222; SL	Judith Freeman
1232	84.230-022	Organic Chemistry II A Lab	M/W	6:00-10:00 pm	1 (4)	P: 84.229. C: 84.222; SL	Judith Freeman
CINEMA							
(See courses listed under Cultural Studies and Languages)							
CIVIL ENGINEERING							
1091	14.205-021	Dynamics (alternate 22.213)	M-Th	8:00-10:00 am	3	P: 14.203, 92.132	Faize Jamil
COMPUTER SCIENCE							
1196	91.113-021	Exploring the Internet	T/Th	6:00-9:00 pm	3	Non-CS Majors only	Michael Krolak
CRIMINAL JUSTICE AND CRIMINOLOGY							
2685	44.223-021	Crime and the Media	M/W	10:15 am-12:15 pm	3		Francis Mazzaglia
1349	44.496-021	Criminal Justice Practicum (Organizational meeting on either May 22 or May 24 at 6:00 pm)	TBA	TBA	3		Gail Beaudon
CULTURAL STUDIES							
(For additional courses, see Art History and Languages.)							
2701	59.324-021	NEW! Northern Renaissance Art	T/Th	7:00-10:00 pm	3	AE, HSA	Liana Cheney
ECONOMICS							
1136	49.201-021	Economics I (Microeconomics)	T/Th	6:00-9:00 pm	3	P: 90.111; BS/SS	Ronald Olive
1139	49.202-021	Economics II (Macroeconomics)	M/W	6:00-9:00 pm	3	P: 90.111; BS/SS	Ronald Olive
1142	49.211-021	Statistics for Business and Economics I	M/W	6:00-9:00 pm	3	P: 92.122 or equivalent	Harjeet Khosla
ELECTRICAL AND COMPUTER ENGINEERING							
1092	16.202-021	Circuit Theory II	T/Th	9:15 am 12:15 pm	3	P: 16.201; C: 16.208 or instructor permission	Tenneti Rao
2465	16.208-021	Basic Electrical Engineering Lab II	M/W	5:00-8:00 pm	2 (3)	P or C: 16.202	Senait Hailleselassie
2466	16.312-021	Electronics II Lab	T/Th	5:00-8:00 pm	2 (3)	P or C: 16.366	Senait Hailleselassie
2467	16.333-021	NEW! Chemistry of Electronic Materials	T/Th	9:00 am-Noon	3	P: 95.144 and 92.132	Samson Mil'shtein
2468	16.365-021	Electronics I	M/W	12:30-3:30 pm	3	P: 16.201	Joel Therrien
1313	16.421-021	Real Time Digital Signal Processing	T/Th	6:00-9:00 pm	3	P: 16.362	Mufeed Mah'd
1230	16.461-021	Engineering Electromagnetics II	T/Th	2:00-5:00 pm	3	P: 16.360, 16.364	Dikshitulu Kalluri
ENGLISH							
1315	42.100-021	College Writing A	M-Th	10:15 am-12:15 pm	3		Juliet Christian
1256	42.101-021	College Writing I	M/W	7:00-10:00 pm	3		Stephen Lucasi
1108	42.102-021	College Writing II	T/Th	7:00-10:00 pm	3		Kim Komperda
1110	42.212-021	The Short Story	M/W	7:00-10:00 pm	3	P: 42.102; LT/AH	Madeline Sherlock
1112	42.217-021	The Horror Story	T/Th	7:00-10:00 pm	3	P: 42.102; LT/AH	Carl Mason
1113	42.224-021*	Business Writing	M/W	6:00-9:00 pm	3	P: 42.102	Peter Payack
2574	42.274-021	The Literature of the Beat Movement	M/W	7:00-10:00 pm	3	P: 42.102; LT/AH	Stephen Edington
1115	42.295-021	History of American Literature II	M/W	7:00-10:00 pm	3	P: 42.102; LT/AH	Henry Venuti
2575	42.402-021	Topics in Writing: Screenwriting	T/Th	7:00-10:00 pm	3	P: 42.102	Richard Farrell
*Students will not receive credit for both 42.224 and 42.226. CERTIFICATE IN TECHNICAL WRITING (See page 4 for required courses.)							
GRAPHIC DESIGN AND DIGITAL IMAGING							
(See courses listed under Art and Information Technology.) CERTIFICATE IN GRAPHIC DESIGN AND DIGITAL IMAGING (See page 3 for required courses.)							
HEALTH							
1100	30.305-021	Exercise Physiology Lecture (Blended course: On-campus/Online classes; see the Continuing Studies website for details.)	M/Th	8:00-10:00 am	4	P: Anatomy and Physiology, Chemistry; not open to UMass Lowell Exercise Physiology majors; SL	Sean Collins
2661	35.102-021	Human Anatomy and Physiology II	T/Th	6:15-9:15 pm	3	P: 35.101, 35.103 (or equiv.); C: 35.104; SL/SCL	Paul Fierimonte
1103	35.104-021	Human Anatomy & Physiology Lab II	T/W	1:00-5:30 pm	1 (3)	P: 35.101, 35.103; C: 35.102; SL/SCL	Melissa Carroll
1317	35.211-021	Basic Clinical Microbiology and Pathology	M-Th	5:00-7:00 pm	3	P: Anatomy and Physiology	Bryan Cowell
1318	35.213-021	Basic Clinical Microbiology and Pathology Lab	M-Th	7:00-9:00 pm	1 (3)	C: 35.211	Bryan Cowell
2550	38.420-021	Advanced Study in Exercise Physiology (Blended course: On-campus/Online classes; see the Continuing Studies website for details.)	Thurs	10:15 am-12:15 pm	3		Sean Collins
CERTIFICATE IN NUTRITION							
HISTORY							
(See also Art History)							
2318	43.105-021	Western Civilization to 1715	M/W	6:00-9:00 pm	3		Leonid Blickstein
1116	43.106-021	The Modern World	T/Th	6:00-9:00 pm	3	HS/AHD	John Gould
1118	43.112-021	U.S. History Since 1877	M/W	7:00-10:00 pm	3	HS/AHD	Diane Lewis
INFORMATION TECHNOLOGY							
(Including Multimedia and Computer Graphics)							
1319	90.160-021	Introduction to Information Systems	T/Th	6:00-9:00 pm	3		Christopher Gambon
2637	90.202-021	Microsoft® Office	T/Th	6:00-9:00 pm	3		Terry Bass



UNDERGRADUATE CREDIT COURSES

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
1183	90.211-021*	Intro to Programming with C - Part I	M/W	7:00-10:00 pm	3	No previous prog. experience required	James Brzowski
2640	90.212-021*	Intro to Programming with C - Part II	T/Th	7:00-10:00 pm	3	P: 90.211	James Brzowski
2639	90.220-021	Visual Basic®	T/Th	7:00-10:00 pm	3		Leo Javits
1187	90.268-021	C++ Programming	M/W	7:00-10:00 pm	3	P: 90.267 or 90.212	Joseph Russell
1280	90.291-021	Introduction to DHTML	M/W	6:30-9:30 pm	3		David Sciuto
1320	90.297-021	Introduction to Java Programming	T/Th	6:00-9:00 pm	3	P: Previous prog. experience required	J. Peter Weston
2644	90.301-021	Java Programming/Windows	M/W	7:00-10:00 pm	3	P: 90.268 or 90.297	Spencer Marks
1321	90.303-021	Advanced Java™ Programming	M/W	6:00-9:00 pm	3	P: 90.301	J. Peter Weston
2649	90.312-021	Shell Programming	M/W	7:00-10:00 pm	3	P: 90.311, and 90.267 or 90.212	Michael Richards
2699	90.454-021	Oracle 10g SQL Development	M/W	7:00-10:00 pm	3		Department Faculty
2658	90.474-021	Relational Database Concepts	M/W	6:00-9:00 pm	3	P: 90.267	Umesh Bhargava
*Students will not receive credit for both 90.267 and the 90.211/90.212 sequence.							
CERTIFICATE IN CONTEMPORARY COMMUNICATIONS (See page 4 for required courses.)							
CERTIFICATE IN DATABASE MANAGEMENT TECHNOLOGIES (See page 4 for required courses.)							
CERTIFICATE IN DATA/TELECOMMUNICATIONS (See page 4 for required courses.)							
CERTIFICATE IN INFORMATION TECHNOLOGY (See page 4 for required courses.)							
CERTIFICATE IN MULTIMEDIA APPLICATIONS (See page 3 for required courses.)							
CERTIFICATE IN UNIX (See page 4 for required courses.)							
CERTIFICATE IN WEBSITE DESIGN AND DEVELOPMENT (See page 3 for required courses.)							
LANGUAGES							
1143	50.212-021	Intermediate French II and Culture	T/Th	7:00-10:00 pm	3	P: 50.211 or equivalent	Valerie Paterson
1147	54.102-021	Spanish II and Culture	M-Th	10:15 am-12:15 pm	3	P: 54.101 or equivalent	Francisca Gonzalez-Arias
1149	54.212-022	Intermediate Spanish II and Culture	T/Th	7:00-10:00 pm	3	P: 54.211 or equivalent	Ana Ruiz Ramirez
1148	54.212-021	Intermediate Spanish II and Culture	M-Th	12:30-2:30 pm	3	P: 54.211 or equivalent	Francisca Gonzalez-Arias
CERTIFICATE IN SPANISH AND LATIN AMERICAN							
LEGAL STUDIES							
(See also Paralegal Studies)							
1015	41.363-021	Corporate and Property Law	M/W	7:00-10:00 pm	3		Paul King
2563	41.370-021	Real Estate Law	M/W	6:00-9:00 pm	3		John Laderoute
2564	41.376-021	Family Law	T/Th	7:00-10:00 pm	3		Department Faculty
2565	41.381-021	Women and the Law	M/W	7:00-10:00 pm	3		Department Faculty
2566	41.387-021	Legal Research Methods	T/Th	6:00-9:00 pm	3		Jennifer Davis
2663	41.392-021	Wills, Trusts and Estates	T/Th	6:00-9:00 pm	3		Carlene Bell-Flanagan
MANAGEMENT							
2705	66.210-021	Professional Communications	M/W	9:00am-Noon	3	P: BSBA students and COM Dean permission	James Moran
2706	66.210-022	Professional Communications	T/Th	6:00-9:00 pm	3	P: BSBA students and COM Dean permission	Karen Hvizda
MATHEMATICS							
2281	90.111-021*	Fundamentals of Algebra	M/W	7:00-10:00 pm	3		Patricia Gifford
2282	92.120-021*	Precalculus Mathematics 1	M/W	6:30-9:30 pm	3	P: 90.111 or equivalent; Placement Exam given the first week of class; MA.	Candice Weston
1358	92.121-021*	Management Precalculus	M-Th	8:00-10:00 am	3	P: 90.111 or equivalent; MA	Alan Kaplan
1199	92.122-021	Management Calculus	M-Th	10:15 am-12:15 pm	3	P: 90.119 or 92.120 or 92.121 or equivalent; not for science or engineering majors; MA	Patricia Gifford
1200	92.123-021	Precalculus Mathematics II	T/Th	7:00-10:00 pm	3		Terence Watterson
1201	92.125-021	Calculus A	T/Th	7:00-10:00 pm	3	P: 92.123; MA	Alan Kaplan
1202	92.126-021	Calculus B	M/W	7:00-10:00 pm	3	P: 92.125; MA	Theresa Schille
2283	92.127-021	Preparation for Calculus	M-F	8:00-10:00 am	4	MA	Ronald Brent
2284	92.283-021	Introduction to Statistics	M-Th	8:00-10:00 am	3	P: 90.111 or equivalent; MA	Alexander Olsen
2285	92.283-022	Introduction to Statistics	M/W	7:00-10:00 pm	3	P: 90.111 or equivalent; MA	Alexander Olsen
1210	92.231-021	Calculus III	M-F	10:15 am-12:15 pm	4	P: 92.132; MA	Rida Mirie
1322	92.234-021	Differential Equations	T/Th	6:00-9:00 pm	3	P: 92.225 or 92.132	Rida Mirie
1211	92.321-021	Discrete Structures I	M/W	6:00-9:00 pm	3	P: 90.112 or 92.120	Anthony Penta
2286	92.375-021	Senior Seminar I	TBA	TBA	1	P: Permission of Coordinator	Department Faculty
1213	92.427-021	Geometry	T/Th	8:30-11:30 am	3	P: 92.221 or 92.321	Marvin Stick
1378	92.475-021	Senior Seminar II	TBA	TBA	3	P: Permission of Coordinator	Department Faculty
*Fundamentals of Algebra (90.111) is a preparatory course and cannot be credited toward a degree program at the University of Massachusetts Lowell.							
**Credit is given for only one of the three following courses: 90.119, 92.120 or 92.121. For students in the Information Technology Program, 92.120 or 92.121 can be substituted for the combination of 90.112 and 90.119.							
University of Massachusetts Lowell day students must have approval from their Department Chairperson before taking courses with a 90 prefix. Many 500-level courses are well within the grasp of upper level undergraduates and may be used as electives. Contact the Graduate School for course listings and admissions procedures.							
MECHANICAL ENGINEERING							
1096	22.213-021	Dynamics (alternate 14.205)	M-Th	8:00-10:00 am	3	P: 22.211, 92.231	Faize Jamil
Multimedia Applications (See courses listed under Information Technology.)							
CERTIFICATE IN MULTIMEDIA APPLICATIONS (See page 3 for required courses.)							
MUSIC							
1335	71.110-021	Basic Music Theory	M-Th	8:00-10:00 am	3	For Non-Music Majors only; AE/AH	Lauren Ellis
1166	71.202-021	Music Theory 4	M-Th	10:15 am-12:15 pm	3	P: 71.201	Lucerne DeSa
1167	71.204-021	Aural Skills 4	M-Th	8:00-9:20 am	1 (2)	P: 71.203	Lucerne DeSa
PARALEGAL STUDIES							
(See also Legal Studies)							
2563	41.370-021	Real Estate Law	M/W	6:00-9:00 pm	3		John Laderoute
2564	41.376-021	Family Law	T/Th	7:00-10:00 pm	3		Department Faculty
2566	41.387-021	Legal Research Methods	T/Th	6:00-9:00 pm	3		Jennifer Davis
2663	41.392-021	Wills, Trusts and Estates	T/Th	6:00-9:00 am	3		Carlene Bell-Flanagan
CERTIFICATE IN PARALEGAL STUDIES							
PHILOSOPHY							
1125	45.201-021	Introduction to Philosophy	T/Th	7:00-10:00 pm	3	VC/AHE	Michael Koran
1127	45.203-021	Introduction to Ethics	M/W	6:00-9:00 pm	3	VC/AHDE	Whitley Kaufman
CERTIFICATE IN CONTEMPORARY COMMUNICATIONS (See page 4 for required courses.)							
PHYSICS							
1216	95.104-021	General Physics II	M-Th	8:00-10:00 am	3	P: 95.103; C: 96.104; SL	Edward Salesky
1217	95.141-021	Physics I	M-F	10:15 am-12:15 pm	3 (4)	C: 92.131; 96.141; SL/SCL	Edward Salesky
1218	95.144-021	Physics II	M-F	10:15 am-12:15 pm	3 (4)	P: 95.141; C: 92.132, 96.144; SL	Roger McLeod
1219	96.104-021	General Physics II Lab (2 days per week)	T/Th	1:00-4:00 pm	1 (2)	P: 96.103; C: 95.104 or 95.202; SL	Department Faculty
1220	96.141-021	Physics I Lab	M/W	1:00-4:00 pm	1 (2)	C: 95.141; SL	Department Faculty
1221	96.144-021	Physics II Lab (2 days per week)	T/Th	1:00-4:00 pm	1 (2)	P: 96.141; C: 95.144; SL	Department Faculty
1223	99.102-021	Radiation and Life Lab	M/W	3:30-5:30 pm	1 (2)	P: or C: 99.101; SL/SCLO	Thomas Regan
PLASTICS							
1012	27.453-021	Selected Topics III	M/W	7:00-10:00 pm	3		Stephen Driscoll
1099	27.454-021	Selected Topics IV	T/Th	7:00-10:00 pm	3		Stephen Driscoll

Free software (See page 3 for details.)



UNDERGRADUATE CREDIT COURSES

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
POLITICAL SCIENCE							
1128	46.101-021	Introduction to American Politics	M-Th	10:15 am-12:15 pm	3	BS/SS	Jeffrey Gerson
1031	46.110-021	Introduction to Politics	M-Th	1015 am-12:15 pm	3		George Anthes
2556	46.316-021	Politics and Film	M-Th	12:30-2:30 pm	3		Jeffrey Gerson
2569	46.344-021	<b>NEW!</b> The American Presidency	T/Th	7:00-10:00 pm	3		Dennis Deeb
PSYCHOLOGY							
1129	47.101-021	General Psychology	M-Th	10:15 am-12:15 pm	3	BS/SS	Ashleigh Hillier
1324	47.260-021	Child and Adolescent Development (formerly Human Development I) (BLENDED class: Tuesday in classroom, Thursday online)	T/Th	6:00-9:00 pm	3	P: or C: 47.101; BS/SS	Patricia Trela
2337	47.360-021	Adult Development and Aging (formerly Human Development II)	T/Th	6:00-9:00 pm	3	P: 47.101, 47.260; BS/SS	Andrew Hostetler
1035	47.475-021	Seminar: Clinical Psychology	T/Th	2:45-5:45 pm	3	P: 47.101, and 47.232 or 47.272 or related experience	Peter Hantzis
SOCIOLOGY							
1134	48.101-021	Introduction to Sociology	M-Th	8:00-10:00 am	3	BS/SSD	Levon Chorbajian
1325	48.111-021	A Novel Approach to Sociology	T/Th	7:00-10:00 pm	3	Not open to students who have taken Sociology Through Literature	William Lekas
1135	48.340-021	Sociology of Sports	M/W	7:00-10:00 pm	3	P: 48.101	Levon Chorbajian
WEBSITE DESIGN AND DEVELOPMENT							
(See courses listed under Information Technology.)							
CERTIFICATE IN WEBSITE DESIGN AND DEVELOPMENT (See page 3 for required courses.)							
WOMEN'S STUDIES							
2565	41.381-021	Women and the Law	M/W	7:00-10:00 pm	3		Department Faculty

GRADUATE CREDIT COURSES

Graduate Courses  
Summer Session I

Except as noted: Day classes begin on May 21.  
M/W Evening Classes begin on May 21 and include 3 FRIDAYS: June 1, June 15 and June 29 at the regularly scheduled hours.  
T/Th Evening Classes begin on May 22 and include 2 FRIDAYS: June 8 and June 22 at the regularly scheduled hours.

Reminder: It is important to check course numbers and prerequisites to ensure enrollment in the correct class.

Students interested in applying into Graduate degree or certificate programs should contact the Graduate School at 800-656-GRAD or www.uml.edu/grad. In some cases, a student may take only 6 credits prior to matriculating into a formal graduate degree program. Students with Bachelor's degrees from accredited institutions are eligible to enroll as non-degree students for a total of 12 credits prior to matriculating into formal Graduate degree programs. Generally, students must formally apply to graduate certificate programs before enrolling in graduate courses intended for specific certificate programs.

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
BUSINESS ADMINISTRATION							
1153	60.501-031*	Financial Accounting (5/21-7/13/07)	AM	➤ Online Course	2	P: Open to MBA, Business Certificate or Doctor of Engineering students; requires proctored exams	Sherre Strickland
2320	60.601-061*	Accounting Information for Management Decisions (5/21-7/27/07)		➤ Online Course	3	P: 60.501; MBA matriculated students and completion of MBA Foundation courses; requires proctored exams	Stephen Collins
2321	60.730-011*	Federal Taxation	T/Th	6:00-9:00 pm	3	P: 60.501, MBA matriculated students and completion of MBA Foundation courses	Charles Feeney
2704	61.501-031*	Business Financial Analysis (5/21-7/13/07)		➤ Online Course	2	Open to MBA, Business Certificate or Doctor of Engineering students	Yash Puri
1053	61.601-011*	Corporate Finance (5/21-6/22/07)	M/W	6:00-10:00 pm	3	P: MBA matriculated students and completion of MBA Foundation courses	Devendra Prasad
1156	62.501-031*	Marketing Fundamentals (5/21-7/13/07)		➤ Online Course	2	Open to MBA, Business Certificate or Doctor of Engineering students	Duncan LaBay
1157	62.601-061*	Analysis of Customers and Markets (5/21-7/13/07)		➤ Online Course	3	P: MBA matriculated students and completion of MBA Foundation courses or permission of MBA Coordinator	Eunsang Yoon
1159	63.501-031*	Operations Fundamentals (5/21-7/13/07)		➤ Online Course	2	P: Open to MBA, Business Certificate or Doctor of Engineering students	Riaz Khan
1339	63.688-061*	Current Topics in Management Information Systems: Knowledge Management (5/21-7/13/07)		➤ Online Course	3	P: 63.601, MBA matriculated students and completion of MBA Foundation courses	Edward Chen
1160	64.601-061*	Operations Management (6/4-8/17/07)		➤ Online Course	3	P: MBA matriculated students and completion of MBA Foundation courses	David Lewis
1162	66.501-031*	Organizational Behavior (5/21-7/13/07)		➤ Online Course	2	P: Open to MBA, Business Certificate or Doctor of Engineering students	Stuart Freedman
2571	66.601-061*	Managing Organization Design and Change (5/21-7/13/07)		➤ Online Course	3	P: MBA matriculated students and completion of MBA Foundation courses	Timm Kainen
11057	66.688-011*	Current Topics in Management: Mid-Management Skills for the New Business Environment	T/Th	6:00-9:00 pm	3	P: 66.601 or 66.725, MBA matriculated students and completion of MBA Foundation courses	Timm Kainen
1163	66.691-021*	Strategy (5/21-7/27/07) (10 weeks: additional sessions on Thursday, 6/14, 6/28, 7/12, and 7/26)	Tues	6:00-9:00 pm	3	P: 60.601; 61.601; 62.601; 63.601; 64.601; 66.601; MBA matriculated students and completion of MBA Foundation courses	Ashwin Mehta
*Students with CSCE career need permission to take graduate-level courses. NOTE: The above MBA courses are also open to non-UML grad students who meet course prerequisites. If not currently registered in a program, please contact the MBA Coordinator, Kathleen Rourke, at 978-934-2848 for permission to take courses.							
COMPUTER SCIENCE							
1198	91.516-021	Operating Systems II (5/21-8/24/07)	TBA	TBA	3	P: Requires permission of Graduate Computer Science Coordinator	Department Faculty
CRIMINAL JUSTICE							
1123	44.521-061	Criminological Theory (5/21-7/27/07)		➤ Online Course	3		Larry J. Siegel
2608	44.526-061	Hate Crimes (5/21-7/27/07)		➤ Online Course	3		Allan Roscoe
2609	44.543-061	Forensic Psychology (5/21-7/27/07)		➤ Online Course	3		Ira Packer
1124	44.545-061	Criminal Mind and Behavior (5/21-7/27/07)		➤ Online Course	3		Alan Lincoln
2611	44.567-061	Overview of Homeland Security (5/21-7/27/07)		➤ Online Course	3		Timothy Croft
2666	44.570-061	Managing Criminal Justice Organizations (5/21-7/27/07)		➤ Online Course	3		Eve Buzawa
2613	44.646-061	Sex Offenses and Offenders (5/21-7/27/07)		➤ Online Course	3		Andrew Harris
For permission numbers and questions regarding the Criminal Justice Program, please email Karen_Mullins@uml.edu.							



# GRADUATE COURSE LISTINGS

## Graduate Courses Summer Session I *Continued*

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
EDUCATION							
1016	01.625-061	Organization of Schools and School Systems (5/21-7/27/07)	> Online Course		3	**EA, CAGS	James Nehring
1058	01.630-061	Diversity Issues for School Leaders (5/21-7/27/07)	> Online Course		3	**CI, EA, RL, CAGS	Michaela Colombo
1059	04.638-061	Curriculum Design K-12 (5/21-7/27/07)	> Online Course		3	**CI, CAGS	J. Walsh/D. Troughton
1018	04.643-061	The Skillful Teacher (5/21-7/27/07)	> Online Course		3	**CI, CI(sci), CAGS	Robert Gower
1060	04.676-061	Exploring the Nature of Science (5/21-7/27/07)	> Online Course		3	**CI(sci)	Anita Greenwood
1063	81.508-061	Cell Biology for Teachers (5/21-7/27/07)	> Online Course		3	**CI(sci)	M. Mawn/A. Greenwood
1061	85.581-061	Meteorology for Teachers (5/21-7/27/07)	> Online Course		3	**CI(sci)	T. Vaughan/F. Colby
1019	05.590-061*	Practicum I: Supervisor/Director (5/21-7/27/07)	> Online Course		1	P: permission of instructor; **EA	Charles Christensen
1020	05.591-061*	Practicum II: Supervisor/Director (5/21-7/27/07)	> Online Course		2	P: 05.590 and permission of instructor; **EA	Charles Christensen
1021	05.592-061*	Practicum I: Elementary School Principal PK-6 (5/21-7/27/07)	> Online Course		1	**EA: permission of instructor	Charles Christensen
1022	05.593-061*	Practicum II: Elementary School Principal PK-6 (5/21-7/27/07)	> Online Course		2	P: 05.592 and permission of instructor; **EA	Charles Christensen
1023	05.594-061*	Practicum I: Middle School Principal 5-8 (5/21-7/27/07)	> Online Course		1	P: Permission of instructor; **EA	Charles Christensen
1024	05.595-061*	Practicum II: Middle School Principal 5-8 (5/21-7/27/07)	> Online Course		2	P: 05.594 and permission of instructor; **EA	Charles Christensen
1025	05.596-061*	Practicum I: High School Principal 9-12 (5/21-7/27/07)	> Online Course		1	P: Permission of instructor; **EA	Charles Christensen
1026	05.597-061*	Practicum II: High School Principal 9-12 (5/21-7/27/07)	> Online Course		2	P: 05.596 and permission of instructor; **EA	Charles Christensen
1027	05.642-061	Principles of Supervision (5/21-7/27/07)	> Online Course		3	**EA	Robert Gower
1028	05.643-061	Principalship PK-12 (5/21-7/27/07)	> Online Course		3	**EA	Charles Christensen
1029	06.511-061	Teaching Reading in the Content Area (5/21-7/27/07)	> Online Course		3	**RL	Jay Simmons
1030	06.522-061	Young Adult Literature (5/21-7/27/07)	> Online Course		3	**RL	Lorraine Dagostino
1031	07.642-061	Program Evaluation (5/21-7/27/07)	> Online Course		3	**EA, CAGS	Jill Lohmeier
*Instructor's permission is required for this two-semester course, which may be taken after the candidate has completed 21 or more credits, and concurrent with the two remaining courses.							
**The Graduate School of Education offers Online Courses leading to three Masters of Education degrees: (1) Educational Administration (EA); (2) Reading and Language (RL); and (3) Curriculum and Instruction (CI) or Curriculum and Instruction: Science Concentration (CI)(sci). The letters in the prerequisites column refer to which programs each course is aligned. Additionally, a CAGS Online in Curriculum and Instruction: Education of Diverse Populations Concentration is offered.							
ELECTRICAL AND COMPUTER ENGINEERING							
1007	16.528-011	Alternate Energy Sources	M/W	6:00-9:00 pm	3	P: Instructor permission	Ziyad Salameh
1008	16.529-011	Electric Vehicle Technology	T/Th	6:00-9:00 pm	3	P: Instructor permission	Ziyad Salameh
1314	16.560-011	Biomedical Instrumentation	T/Th	6:00-9:00 pm	3	P: Instructor permission	Mufeed Mah'd
1009	16.577-011	Verification of Very Large Digital Designs	T/Th	6:00-9:00 pm	3	P: 16.574	James Moran
2464	16.711-011	Special Topics: Fundamentals of VLSI Testing and Design for Testability	T/Th	6:00-9:00 pm	3	P: 16.502 or Instructor permission	Martin Margala
HEALTH							
2660	33.603-061	Psychopharmacology and Related Psychobiology (5/21-7/27/07)	> Online Course		3		Geoffry McEnany
1101	34.650-021	Clinical Education Experience I (5/28-7/20/07)	M-F	8:00-4:00 pm	3 (4)	P: First-year Physical Therapy Graduate students only	Keith Hallbourg
1368	34.652-021	Clinical Education Experience II (6/25-8/17/07)	M-F	8:00-4:00 pm	3 (4)	P: Clinical Ed. Experience I, second-year Physical Therapy graduate students only	Keith Hallbourg
1104	36.613-061	Infectious Disease (5/21-7/27/07)	> Online Course		3	P: One semester of General Microbiology	S. Fessia-Richardson
MATHEMATICS							
1214	92.500-061	Discrete Structures (5/21-8/17/07)	> Online Course		3		Alan Doerr
2293	92.509-021	Probability and Mathematical Statistics (5/21-8/17/07)	Th	5:30-8:30 pm	3		Lee Jones
2294	92.510-021*	Computers and Calculators in the Classroom (5/21-8/11/07)	> Blended Course		3	P: Requires Mathematica 4.0 or higher	Kenneth Levasseur
1326	92.550-011	Mathematical Modeling	T/Th	6:00-9:00 pm	3		James Graham-Eagle
1244	92.578-021	Statistical Inference and Data Mining (5/21-8/17/07)	Mon	5:30-8:30 pm	3	P: 92.386 or equivalent	Lee Jones
2295	92.580-011	Discrete Mathematics for Engineering and Operations Research	M/W	6:00-9:00 pm	3		Kostya Rybnikov
*This course is a blended course (Combination of face-to-face and online courses). The face-to-face meetings will be in OH 521 on 5/22, 5/29, 6/12, 7/10 from 3:00 pm to 6:00 pm. All other meetins will be online.							
MECHANICAL ENGINEERING							
1097	22.512-061	Applied Finite Elements (5/21-7/27/07)	> Online Course		3	P: Requires instructor permission; access to a PC; \$100 course fee for software; required on-campus course orientation: May 21, 6:00 pm	James Sherwood
MUSIC							
For Summer Music Graduate Education courses, please see Summer Session II.							
PSYCHOLOGY							
1246	47.561-031	Introduction to Behavioral Intervention in Autism (5/21-8/17/07)	> Online Course		3	P: Coursework in the psychology of child development, or related experience	Department Faculty
1354	47.561-032	Introduction to Behavioral Intervention in Autism (5/21-8/17/07)	> Online Course		3	P: Coursework in the psychology of child development, or related experience	Department Faculty
1247	47.562-031	Teaching and Positive Behavioral Support in Autism (5/21-8/17/07)	> Online Course		3	P: 47.561	Department Faculty
2316	47.562-032	Teaching and Positive Behavioral Support in Autism (5/21-8/17/07)	> Online Course		3	P: 47.561	Department Faculty
1248	47.565-031	Measurement and Experimental Design in Behavioral Autism (5/21-8/17/07)	> Online Course		3	P: 47.561	Department Faculty
1249	47.566-031	Functional Analysis and Treatment of Challenging Behavior (5/21-8/17/07)	> Online Course		3	P: 47.562	Department Faculty
2317	47.568-031	Behavioral Intervention Program Models in Autism (5/21-8/17/07)	> Online Course		3	P: 47.562	Department Faculty
REGIONAL ECONOMIC AND SOCIAL DEVELOPMENT							
2714	57.508-011	Budget as a Policy, Planning and Information Tool	T/Th	6:00-9:00 pm	3		Don Zizzi



GRADUATE COURSE LISTINGS

Graduate Courses  
Summer Session II

Except as noted: Day classes begin on July 9.  
M/W Evening Classes begin on July 9 and include 2 FRIDAYS: July 20 and August 3 at the regularly scheduled hours.  
T/Th Evening Classes begin on July 10 and include 2 FRIDAYS: July 27 and August 10 at the regularly scheduled hours.

Reminder: It is important to check course numbers and prerequisites to ensure enrollment in the correct class.

Students interested in applying into Graduate degree or certificate programs should contact the Graduate School at 800-656-GRAD or [www.uml.edu/grad](http://www.uml.edu/grad). In some cases, a student may take only 6 credits prior to matriculating into a formal graduate degree program. Students with Bachelor's degrees from accredited institutions are eligible to enroll as non-degree students for a total of 12 credits prior to matriculating into formal Graduate degree programs. Generally, students must formally apply to graduate certificate programs before enrolling in graduate courses intended for specific certificate programs.

ISIS Class No.	Course No.	Title	Days	Time	Cr (Con)	P: Prerequisite C: Corequisite/Comments	Instructor
BUSINESS ADMINISTRATION							
2675	61.610-021	Financial Markets and Monetary Policy	T/Th	6:00-9:00 pm	3	MBA matriculated students and completion of MBA Foundation courses	Michael Carter
1340	66.688-021*	Current Topics in Management: Advanced Professional Communications	M/W	6:00-9:00 pm	3	P: MBA matriculated students and completion of MBA Foundation courses	Richard Sherburne
*Students with CSCE career need permission to take graduate-level courses. NOTE:The above MBA courses are also open to non-UML grad students who meet course prerequisites. If not currently registered in a program, please contact the MBA Coordinator, Kathleen Rourke, at 978-934-2848 for permission to take courses.							
ELECTRICAL AND COMPUTER ENGINEERING							
1093	16.510-021	Digital Signal Processing	T/Th	2:30-5:30 pm	3	P: 16.362, 16.363 preferred	Mufeed Mah'd
1327	16.521-021	Real Time Digital Signal Processing	T/Th	6:00-9:00 pm	3	P: 16.362	Mufeed Mah'd
MUSIC							
1237	73.578-021*	Music as a Way of Knowing (7/30-8/1/07)	M/T/W	9:00-4:00 pm	2		William Nick Page
1168	73.579-021*	World Percussion Ensemble (8/6-8/10/07)	M-F	9:00-4:00 pm	3		Daniel Foote
*Students with CSCE career need permission to take graduate-level courses.							
MATHEMATICS							
1215	92.527-021	Geometry	T/Th	8:30-11:30 am	3	Course is generally applicable only to the Teacher Option	Marvin Stick
PSYCHOLOGY							
2314	47.533-021	Mental Health Problems in the Community	T/Th	6:00-9:00 pm	3	Open to seniors with instructor permission	Peter Hantzis

GENERAL INFORMATION

General Information

Registrar's Office Hours

Dugan Hall 104, UML South  
Monday-Thursday: 8:00 am-8:00pm  
Friday: 8:00 am-5:00 pm

Continuing Studies, Corporate and Distance Education Office Hours

Paley Room, Southwick 202, UML North  
Monday-Thursday: 8:30 am-8:00 pm  
Friday: 8:30 am-5:00 pm

Holiday Hours and Special Hours

May 28: Memorial Day (University closed)  
July 4: Independence Day (University Closed)

The week of July 2 through July 6, CSCDE and the Registrar's Office will be open from 8:30 am-5:00 pm (closed July 4).

The week of August 20 through August 24, CSCDE will be open from 8:30 am-6:00 pm, Monday-Thursday and 8:30 am-5:00 pm on Friday. The Registrar's Office will be open from 8:00 am-6:00 pm, Monday-Thursday and 8:00 am-5:00 pm on Friday.

Commencement: June 3, 2007

Phone Directory

Accounts Receivable.....(978) 934-3570  
Bookstore — UML North .....(978) 934-2623  
Bookstore — UML South .....(978) 934-6908  
Continuing Studies  
Main Number .....(978) 934-2474  
Faculty and Student Support Center.....(978) 934-2474  
Fax Number.....(978) 934-4006  
Registrar's Office.....(978) 934-2550  
Fax Number.....(978) 934-4076  
Graduate School of Education .....(978) 934-4600  
ISIS HELP Desk.....(978) 934-4357  
Library — UML North  
(Alumni/Lydon) .....(978) 934-3205  
Library — UML South  
(O'Leary) .....(978) 934-4550  
UMass Lowell Main Number .....(978) 934-4000  
UMass Lowell Directions.....(978) 934-5800  
or [www.uml.edu/maps](http://www.uml.edu/maps)  
Weather Cancellations .....(978) 934-2121  
Billing Information .....(978) 934-3570

See our Website at <http://continuinged.uml.edu>

REGISTER EARLY

Get a head start and register early! Although we cannot guarantee an opening in any class, your chances for being enrolled in the course of your choice are better when you register early. Please note that seats in laboratory courses are limited.

Registration Information

See Academic Calendar on page 18 for appropriate registration deadlines.

Student Information System

When using ISIS, the new Student Information System, Undergraduate, Graduate, and Continuing Studies students are able to perform the following transactions:

- search the course catalog and schedule of classes
- register for classes as well as add, drop and swap classes
- request official transcripts and designate the recipients of transcripts
- pay a bill
- accept and decline financial aid

Students also can access and print their:

- class schedules located under "View my class schedule"
- grades
- unofficial transcripts
- degree audit (View progress made toward a degree)
- advisor's name
- student invoice
- financial aid information

For more information, check out the "Just for Students" section at: <http://intranet.uml.edu/it/training/isis.htm>  
If you have a problem accessing your account, please contact the help desk at (978) 934-4357.

Returning students (i.e., students who have been enrolled in a course at any time during the last three semesters) can register and pay for courses online by using ISIS (Inter-Campus Student Information System). Returning students will have a User ID generated for them. To look up your ID, go to <http://isis.uml.edu> and click User ID Lookup. Once you have obtained your User ID, follow these easy steps to register for classes.

1. From any PC with an internet connection, go to <http://isis.uml.edu>
2. Click Student Self-Service Login.
3. Enter your User ID and password into the appropriate fields and click Submit.
4. Click Academics.
5. Click Enroll in a Class.
6. Select **Term**.
7. Click Add Classes.
8. Type the **Class Number** in the **Class Nbr** field. Please note, the class number is different from the course number.
9. You can search for the class number by clicking the magnifying glass. Enter the first two digits of the course number (found in the brochure), into the subject area. Then enter the following three numbers of the course number into the catalog number box and then hit search. You can also find the class number and the course number on the CSCDE website <http://continuinged.uml.edu> or [www.uml.edu/admin/registrar](http://www.uml.edu/admin/registrar) or in the CSCDE bulletin. Repeat Step 8 until all desired classes have been added.
10. Click the Submit button.

New students should use the mail, fax, or walk-in options to register.

Once the new student registration has been processed by the Registrar's Office, a new student will receive a letter from the Information Technology Office with the student's

UMS number (UMass System number) and directions on how to log into ISIS. The student should check <http://isis.uml.edu> and then click on the User ID lookup. You can also access the new student checklist and information on online course confirmation (if applicable) available at <http://continuinged.uml.edu>. After you have obtained your ID number, you can log into <http://isis.uml.edu> and view your schedule. A student will receive an email to his/her personal email account (if provided) or receive a letter mailed to his/her home.

Mail-In Registration:

Fill out the registration form and return it to:

1. University of Massachusetts Lowell  
Registrar's Office  
883 Broadway Street, Dugan 104  
Lowell, MA 01854-5104
2. For classroom location and other scheduling information, please visit the Inter-Campus Student Information System (ISIS).

Fax-In Registration:

Fill out the registration form and fax it to (978) 934-4076.

**Walk-In Registration is held at the Registrar's Office, 883 Broadway Street, Dugan Hall 104, UML South, Lowell, MA 01854-5104.**

Please refer to the Registrar's Office for walk-in registration hours. Students are encouraged to use ISIS, the Web-Based Self-Service System whenever possible. Students taking online courses must obtain a UML email address as well as a log-on password. Please see the New Student Registration Form and Checklist posted on the CSCDE or UML Registrar's website. The checklist will facilitate the process to access your online courses.

Final Drop/Add Period

See the academic calendar for appropriate drop/add dates. Drop/Add can be processed through ISIS or through the Registrar's Office, Dugan Hall 104, 883 Broadway Street, Lowell.

Withdrawal with "W" Notation

See the appropriate academic calendar for the last day to withdraw.

Students withdrawing from any class can do so by using ISIS, <http://isis.uml.edu>. **Verbal messages to faculty and staff do not constitute official notification.**

Wait Listing

You may now put yourself on a wait list through ISIS if the course you want is full. When you try to register for a closed course, the system will ask you if you want to be put on a wait list. The wait list function also allows you to list a course you would like to drop if you are allowed into the closed course.

If space becomes available in a course, the wait list function will add you into the class in the order of your request. Please note that you **will not be notified** if you are put into the closed course. Check your schedule in ISIS to see if you are registered for the closed course.

If you no longer wish to register for a course you are wait listed for, you must remove yourself from the wait list through ISIS. If you do not remove yourself from the wait list, you run the risk of being registered for a course and will be responsible for the grade received as well as the tuition and fees incurred.

Email

A significant number of communications concerning the new Student Information System will be delivered to students via email. Information about the availability of class schedules, grade reports and financial awards that can be accessed using ISIS, the Web-Based Self-Service, will be sent to students via email.



REGISTRATION INFORMATION

To address this change in practice, UMass Lowell has implemented a new, robust email system and assigned UML email addresses to all students, including those enrolled in continuing studies courses. In addition, a new policy has been approved that supports email as an official means of communication and assigns responsibility to students for maintaining their UML email accounts.

Effective immediately, students should be using their UML accounts with the @student.uml.edu suffix to ensure they receive timely communications from the University. Please see <http://email.uml.edu> and check the student email link. New students will receive a letter from the Information Technology Office with their new UML email address.

Identification Card

Students matriculated in a degree or certificate programs in CSCDE have been/or will be issued access cards.

Student ID Number

Your student ID number is your ISIS/UMass System number. To obtain your number go to <http://isis.uml.edu> and click on the user ID look up.

Institutional Disclosure

The University is required to disclose the availability of various types of information related to Federal programs and mandates under the Higher Education Acts. This information is located on the UML web at: <http://www.uml.edu/student-services/dean/disclosure.html>

Students with Disabilities

A student with a disability who needs special arrangements should contact the Counseling Center, at (978) 934-4574 early in the registration process. Special advising, registration assistance, preferential scheduling, and alternative examination procedures are available. Special parking is also available on a temporary basis.

The University's Annual Campus Crime and Safety Report

Under the Regulations of the Safe and Drug-Free Schools and Communities Act and the Jeanne Clery Act (formerly the Campus Security Act), the University is required annually to distribute to all faculty, staff and students a copy of the Annual Crime Report and the University's Policies and Procedures related to alcohol, other drugs, and sexual assault. These regulations permit us to publish this report electronically, and the current report is available on the internet at <http://www.uml.edu/police>.

Bookstore Locations

UML North — Falmouth First Floor, (978) 934-2623  
UML South — UML South Dining Hall, (978) 934-6908

Please call the Bookstore to confirm the location of your textbook.

Students taking online courses can order books through the UMass Lowell Bookstore at <http://umlowell.bkstore.com>.

Financial Information

Tuition is priced on the listed credit hour unless the contact hour is different. Tuition is then based on the listed contact hour. See information on Financial Aid, TERI Loans, and Scholarships on our website at <http://continuinged.uml.edu>.

Tuition and Fee Information

	Per Credit/ Contact Hr.
Undergraduate Tuition	\$270.00
Undergraduate Audit	\$270.00
Undergraduate Off-Campus Courses/Audit*	\$270.00 to \$300.00
Undergraduate Online Courses	\$280.00
Undergraduate Online Courses Audit	\$280.00
Graduate Online Professional Courses and Audit (Other than M.B.A. online)	\$450.00
M.B.A. Online Courses	\$470.00
Graduate On-Campus and Off-Campus Courses and Audit* (Other than M.B.A. online)	\$450.00
Registration Fee per Term (non-refundable)	\$30.00
Late Fee for Non Payment	\$50.00
Application for Undergraduate Admission Fee	\$20.00

\*Note: Some tuitions may vary depending on customization and customer and program requirements.

Students who have checks returned due to insufficient funds will be charged a \$30.00 insufficient funds fee.

Payment Options

Payments may be made by cash, check, money order, M/C, Visa and Discover. Mail payments (made payable to UMass Lowell) to:  
UMASS LOWELL  
Attn: Treasury Office  
883 Broadway St., Room 106  
Lowell, MA 01854-5109

Payments may also be made in person at the cashier's window, Room 106, Dugan Hall, UML South.

Please note, a cash payment cannot be accepted after 4 pm. Students may also make a payment or view accounts online by logging on to the Student Information System (ISIS).

Overdue Accounts

Students will be permitted to attend class and to utilize facilities only after they have cleared all their financial obligations to the University. In addition, student transcripts and diplomas will not be released until all debts have been paid. All students are advised that the University uses the services of collection agencies authorized under the Commonwealth's

Master Service Agreement. Students with a prior semester balance who are not enrolled for the current semester and are referred to a collection agency are held liable for all associated collection costs which may be substantial.

Directed Studies

Directed Studies, Practicums, Internships, and Applied Music Lessons are considered Special Programs and, as such, tuition remission, waivers, and certificates of eligibility cannot be accepted.

NOTE: Veterans' Information

Veterans must be matriculated in an undergraduate degree program and have all appropriate paperwork on file in the Registrar's Office, UML South, Dugan Hall 104, 883 Broadway Street, Lowell, including a DD214 and an Admission Application form, in order to receive VA benefits. Tuition waivers are available to veterans who are legal residents of Massachusetts for more than 12 consecutive months, and Proof of Residency must be updated annually.

**These waivers for legal Massachusetts residents are not retroactive and do not cover registration and other fees.**

Veterans requesting benefits must check the appropriate line on the registration form. Veterans should use the mail-in or walk-in options when registering and should provide all necessary documentation. For additional information, please see our website at <http://continuinged.uml.edu> or call Linda Morabito at (978) 934-2461.

Veterans' waivers are available for on-campus undergraduate courses provided there is a sufficient number of tuition-paying students enrolled to bear the cost of instruction and provided there is space available. Due to the high cost of online and off-campus courses, there are no waivers available for these courses. There are no waivers for Directed Studies, Practicums, and Internships. Merit and Need-Based

Assistance Grants for online courses may be available to veterans who are presently enrolled in undergraduate degree and certificate programs and who are making satisfactory academic progress towards their degrees or certificates.

International Students

International students registering for classes or enrolling in programs must provide proof of Visa status. Students with F-1 or J-1 Visa status must provide a copy of their I-20 or DS-2019 form. These students will be allowed to count, per semester, only one distance learning (online) course, or 3 credits, toward the full-time undergraduate course load (12 hours) or the full-time graduate course load (9 hours). The ultimate responsibility to know and follow the USCIS rules rests upon the students themselves. Students holding B-1, B-2, or F-2 Visas may not register for any academic classes. The University of Massachusetts Lowell does not issue I-20 Forms for any Continuing Studies programs. Contact Anne Dean, International Student Advisor at [Anne\\_Dean@uml.edu](mailto:Anne_Dean@uml.edu).

Third-Party Payment

All students using company direct payment, military plans, state tuition waivers, or veterans' waivers must mail original authorization forms to UMass Lowell, Accounts Receivable Office, 883 Broadway Street, Room 101, Lowell, MA 01854-5110. Copies and/or faxes of tuition waivers cannot be honored. No tuition refund is awarded for late submission of eligibility form. Students receiving company reimbursement must prepay their own tuition. The University does not honor company reimbursement contingent upon grades.

NOTE:

Senior Citizens

Senior citizens (60 years or older) who are Massachusetts residents may attend classes in Continuing Studies credit

Academic Calendar  
Summer 2007



Continuing Studies offers students a variety of scheduling options to meet their needs.

1. Ten-week online classes meet from May 21 through July 27.
2. Face-to-face classes meet during a six week period in either Summer Session I or Summer Session II.
3. A number of courses meet one day a week spanning May 21 through August 17.

May 21-June 29  
Summer Session I

Face-to-Face Classes

Day classes begin on Monday, May 21.

M/W Evening classes begin on Monday, May 21 and include 3 FRIDAYS: June 1 and June 15, and June 29 at the regularly scheduled hours.

T/Th Evening classes begin on Tuesday, May 22 and include 2 FRIDAYS: June 8 and June 22 at the regularly scheduled hours.

Final Examinations

Day Classes: June 27 for 3-credit courses,  
June 28 for 4-credit courses

M/W Evening Classes: Friday, June 29

T/Th Evening Classes: Thursday, June 28

July 9-August 17  
Summer Session II

Face-to-Face Classes

Day Classes begin on Monday, July 9.

M/W Evening classes begin on Monday, July 9 and include 2 FRIDAYS: July 20 and August 3 at the regularly scheduled hours.

T/Th Evening classes begin on Tuesday, July 10 and include 2 FRIDAYS: July 27 and August 10 at the regularly scheduled hours.

Final Examinations

Day Classes: August 14 for 3-credit courses,  
August 15 for 4-credit courses

M/W Evening Classes: Wednesday, August 15

T/Th Evening Classes: Thursday, August 16

Final Add/Drop Period		
Undergraduate On-Campus	Add	Drop
Summer I 5/21-6/29	5/25	5/30
	5/30 with permission	
Summer II 7/9-8/17	7/14	7/19
	7/19 with permission	
Online 10-Week Online 5/21-7/27	5/25	5/30
	5/30 with permission	
8 Weeks 5/21-7/13	5/25	5/30
	5/30 with permission	
Full Term 5/21-8/17 Face-to-Face and Online	5/25	5/30
	5/30 with permission	
Graduate On-Campus	Add	Drop
Summer I 5/21-6/29	5/30	5/30
Summer II 7/9-8/17	7/19	7/19
Online 10-Week Online 5/21-7/27	5/30	5/30
8 Weeks 5/21-7/13	5/30	5/30

Add/Drops can be processed in ISIS or Registrar's Office, UML South, Dugan Hall 104, 883 Broadway Street, Lowell.

Withdrawal with "W" Notation	
Undergraduate On-Campus	
Summer I 5/21-6/29	6/18
Summer II 7/9-8/17	8/7
Online	
10-Week Online 5/21-7/27	6/29
8 Weeks 5/21-7/13	6/29
Full Term 5/21-8/17	7/27
Graduate On-Campus	
Summer I 5/21-6/29	6/18
Summer II 7/9-8/17	8/7
Online	
10-Week Online 5/21-7/27	6/29
8 Weeks 5/21-7/13	6/29
Full Term 5/21-8/17 Face-to-Face and Online	7/27
Students withdrawing from any class can do so by using ISIS, <a href="http://isis.uml.edu">http://isis.uml.edu</a>	



programs tuition-free provided that there is a sufficient number of tuition-paying students enrolled to bear the cost of instruction and provided there is space available. **Please note that waivers are not retroactive and do not cover registration and other fees.** Proof of Massachusetts residency and birth date must be provided annually at the time of registration. There are no waivers available for online and off-campus courses.

#### Refund Schedule for Tuition and Fees

Students who withdraw from the University or drop all of their courses during the add/drop period will receive a 100% adjustment to tuition and fees for the semester except for the following:

- 1) The Continuing Studies \$30.00 non-refundable Registration Fee per term.
- 2) Students who are suspended or expelled for disciplinary reasons will forfeit all rights to a tuition and fee adjustment.
- 3) Any book voucher monies advanced to students and used at the bookstore. Students should contact Barnes and Noble at (978) 934-2623 for the bookstore refund policy on books and materials purchased directly from them.
- 4) Residence hall charges and meal plan charges follow a different refund schedule. Students should contact the Residence Life Office at (978) 934-5115 for further assistance.

**Please note: There are no adjustments to tuition and fee charges if students withdraw or drop classes after the add/drop period of the academic semester.**

Student records will be cleared and appropriate refunds will be awarded only after outstanding University bills (library fines, parking fines, etc.) are paid and all University-owned property is returned. If debts remain unpaid, students' academic permanent records will not be released and students will not be readmitted to the University.

#### Health Insurance

Please note that all students who withdraw from or drop all of their classes within the first 30 days (calendar days) of the academic semester are not allowed to be enrolled in the University student health insurance plan.

#### Financial Aid

All students who are financial aid recipients are reminded that their aid is also reduced and the financial aid adjustment schedule may be different than what has been stated above as required by federal law. Students are strongly encouraged to discuss these issues with a financial aid counselor prior to withdrawing. Please note that money will be returned to the applicable financial aid assistance programs before any money is disbursed to the student.

#### International Students

The International Student Office will notify the Bureau of Citizenship and Immigration Services (BCIS) of all international students who either withdraw or drop below full-time status during the academic semester.

#### Graduate Teaching and/or Research Assistants

Graduate Teaching Assistant and/or Graduate Research Assistant contracts will be voided if students drop below full-time status.

#### Correct Social Security Number/Tax Identification Number

The University of Massachusetts Lowell must obtain your correct social security number (SSN) to file certain information returns with the IRS as well as to furnish a statement to you. The returns the University must file contain information about qualified tuition and related expenses (Form 1098-T, Tuition Payments Statement). The information about your tuition will help to determine whether you, or the person who can claim you as a dependent, may take the Hope credit or Lifetime Learning credit to reduce the federal income tax.

For additional information on Financial policies and procedures, see [www.uml.edu/admin/ar](http://www.uml.edu/admin/ar)

## Academic Information

The University of Massachusetts Lowell is accredited by the New England Association of Schools and Colleges, which accredits schools and colleges in the six New England states. Membership in the Association indicates that the institution has been evaluated carefully and meets the standards agreed upon by qualified educators. The programs in Civil Engineering Technology, Electronic Engineering Technology, and Mechanical Engineering Technology are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology. The Bachelor of Science in Business Administration (BSBA) is accredited by the AACSB — The International Association for Management Education.

#### Catalog

Students should refer to the Continuing Studies and Corporate Education catalog for rules, regulations, program outlines, and course descriptions. The catalog is available online at <http://continuinged.uml.edu>.

#### Admission into an Undergraduate Certificate or Degree Program

Students who have graduated from high school or who have earned a high school equivalency certificate are invited to apply for programs leading to a Certificate or an Associate's or Bachelor's degree. Applications for all programs are accepted on a rolling admissions basis. Please send applications to UML Admissions/Continuing Studies and Corporate Education, c/o Kathleen Shannon, Dugan Hall 110, 883 Broadway Street, Lowell, MA 01854-5104. Note, there is a \$20 application fee

for admission into the undergraduate degree programs. Please mail the fee along with your completed degree program application form. For a listing of our degree and certificate programs, please see pages 3, 4, and 6. A student enrolled in any of our degree or certificate programs should schedule an appointment with the appropriate program advisor to help plan a schedule for degree or certificate completion. Please call Continuing Studies at (978) 934-2474 to learn about our programs or see our website at <http://continuinged.uml.edu>.

#### Admission into a Graduate Certificate or Degree Program

Students interested in applying into Graduate degree or certificate programs should access [www.uml.edu/grad](http://www.uml.edu/grad). Students with Bachelor's degrees from accredited institutions are eligible to enroll as non-degree students for a total of 12 credits prior to matriculating into formal Graduate degree programs. Students must formally apply to Graduate certificate programs before enrolling in Graduate courses intended for specific certificate programs.

#### Undergraduate Degree Completion

Students who expect to complete their degree requirements in the 2006-2007 academic year must arrange for a graduation interview. Please call Continuing Studies at (978) 934-2474. Students who anticipate graduating at the end of the Spring 2007 semester must complete the interview process by April 27, 2007. Students who anticipate graduating at the end of the Summer Sessions must complete the interview process by June 28, 2007. Commencement will be held on June 3, 2007.

#### Undergraduate Certificate Completion

When a student completes the necessary courses for a certificate program, the student should complete and submit a Certificate Award Petition and exit survey to Continuing Studies and Corporate Education. See the Continuing Studies website under Miscellaneous Forms at <http://continuinged.uml.edu>.

#### Course Grades

Grades for the Summer semester will be available on ISIS, the Inter-campus Student Information System.

## Faculty & Student Support Information



Students are welcome to drop by Continuing Studies, located in the Paley Room, Southwick Hall 202, UML North from 8:30 am to 8:00 pm Monday-Thursday and 8:30 am to 5:00 pm Friday to obtain general information on Associate's and Bachelor's degrees and certificate programs, and/or to obtain brochures. Call (978) 934-2474 for information or email to [Continuing\\_Education@uml.edu](mailto:Continuing_Education@uml.edu). For questions on Graduate programs, see the website at [www.uml.edu/grad](http://www.uml.edu/grad).

#### Appointments with Faculty Program Coordinators

Students may schedule appointments with Faculty Program Coordinators and Faculty and Student Support Specialists. Faculty Evening Supervisors are available to answer questions and conduct status reviews. Students are encouraged to call Continuing Studies and Corporate Education at (978) 934-2474 to schedule an appointment. Most appointments are held on UML North in the Faculty and Student Support Center. Appointments for the Liberal Arts programs are held in Coburn Hall, Room 105, UML South.

#### Faculty Program Coordinators and Advisors

Biology, Chemistry, Environmental Science, Physics:

Paul Damour, Associate Professor

Civil Engineering Technology:

Michael Berry

Electronic Engineering Technology:

Fahd Wakim, Professor

Information Technology:

Ann Marie Hurley, Professor

Liberal Arts, Criminal Justice, Paralegal Studies:

Joseph Lipchitz, Professor

Mathematics: Alan Doerr, Professor

Mechanical Engineering Technology:

Robert Tuholski, Professor, Engineering

Technology Department Head

Mechanical Engineering Technology:

Glenn Sundberg, Assistant Professor

Plastics Engineering Technology:

Stephen Driscoll, Professor

Psychology:

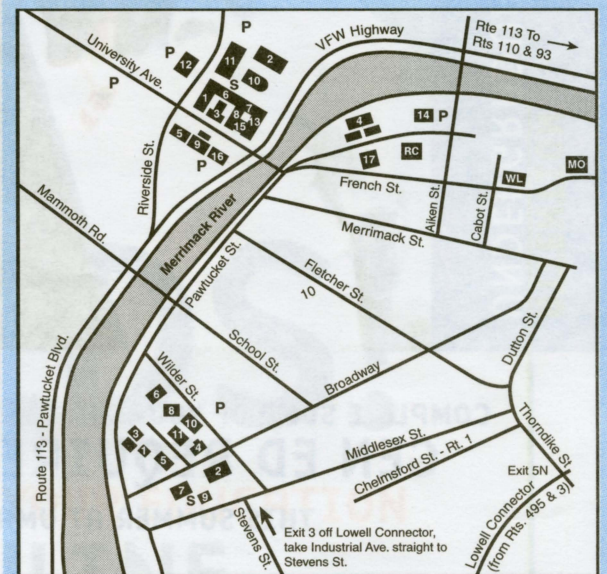
Richard Siegel, Professor

#### Faculty Evening Supervisors

Professor Alan Doerr

Professor Bernard Shapiro

## Campus Information



#### North

- 1 BL Ball Engineering Ctr.
- 2 Costello Gym
- 3 Cummock Hall
- 4 Dormitories
- 5 Eames Hall
- 6 EB Engineering
- 7 FA Falmouth
- 8 KI Kitson
- 9 LL Alumni/Lydon Library
- 10 EC Pinanski
- 11 OH Olney
- 12 OS Olsen
- 13 PA Pasteur
- 14 Research Foundation
- 15 SO Southwick Hall
- 16 Smith Hall
- 17 Fox Student Union
- P Parking
- S Security

#### South

- 1 Allen Hall
- 2 CO Coburn
- 3 Concordia Hall
- 4 Dining Hall
- 5 DU Dugan Hall
- 6 DR Durgin Hall
- 7 MA Mahoney Hall
- 8 OL O'Leary Library
- 9 Power Plant
- 10 SU Student Union
- 11 WE Weed Hall
- P Parking
- S Security

#### Downtown

- MO Mogan Center
- WL Wannalancit

For UMass Lowell online directions, go to [www.uml.edu/maps](http://www.uml.edu/maps). For UMass Lowell directions, call (978) 934-5800.

#### Parking

New parking stickers are required for all Continuing Studies students. The Parking Registration Form is available at <http://parking.uml.edu>.

This sticker entitles students to park after 5:30 pm in a University parking lot except Cummock Hall. Students are encouraged to park in the numerous parking lots on the UML North and UML South. **Students and faculty should not compromise public safety by blocking access of fire lanes, ambulance and other emergency vehicles.** Students and faculty should not park in handicap spaces unless they display a handicap sticker. Student and faculty cars will be towed and/or ticketed for violations. In addition, the Lowell Police will tow student and faculty cars if cars are parked in "Residential Parking" areas.

Please call the Student and Faculty Support Center at (978) 934-2474 for the locations of parking lots available for use by Continuing Studies students who visit the campus during the day.

#### Locating Your Classroom

Refer to the map and building key above to locate where your class will be held. If your class has not been assigned a classroom when you register, please check ISIS Web-Self Service at <http://isis.uml.edu>.

#### University Escort Service

The University now operates a motorized escort service seven nights a week from 6:00 pm to 1:00 am. Call Ext. 2222 for a ride anywhere on campus — from the parking lots, to the libraries, the residence halls, or the gym. It is a service designed for the entire University community day and evening students, staff, and faculty.

This newspaper is printed at no cost to the Commonwealth of Massachusetts. The University of Massachusetts Lowell is an Equal Opportunity/Affirmative Action University and does not discriminate in employment or access to programs or services on the basis of race, sex, sexual orientation, color, national origin, religion, handicap, or veteran's status and is in compliance with Title IX of the Education Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973, and the Americans With Disabilities Act, 1990. Any inquiries and/or grievances may be referred to the Affirmative Action Officer, the Title IX Coordinator, the Disabilities Coordinator and/or to the Director, Office for Civil Rights, U.S. Department of Health and Human Services, Washington, D.C.

Every effort has been made to ensure the accuracy of the information presented in this bulletin. However, Continuing Studies and Corporate Education (CSCE) reserves the right to implement new rules and regulations and to make changes of any nature in its program, calendar, procedures and standards, degree requirements, and academic schedules (including, without limitations, changes in course content and class schedules), locations, tuition, and fees. Whenever possible, appropriate notice of such changes will be given before they become effective. When changes are necessary, Continuing Studies exerts reasonable efforts to provide comparable or substantially equivalent instructional services and facilities for those originally designated. However, CSCE assumes no liability for failure to deliver or for delay in delivering such services (including those in support of academic functions or student life) when the causes for such failure or delay are beyond the reasonable control of Continuing Studies — which causes include, without limitation, the following: power failure, fire, accident, natural disaster, work slowdown and strikes, loss of personnel, and acts of public authorities. In registering for courses, each student assumes full responsibility for knowledge of and compliance with the definitions, regulations, and procedures for the University as set forth in the appropriate publications and bulletins.





## COMPLETE SOME OF YOUR GEN ED REQUIREMENTS THIS SUMMER AT UMASS LOWELL!

A large selection of "Gen Ed 2000" courses will be offered this summer, plus a wide variety of other courses that can be counted as free electives!

For more information and a complete list of the Gen Ed courses that will be offered this summer, check out <http://continuinged.uml.edu>.

For additional information on the University's General Education Requirements, please visit: <http://www.uml.edu/gened>.

### DO YOU STUDY AT ANOTHER COLLEGE OR UNIVERSITY?

You may be able to take a UMass Lowell course this Summer and transfer it into your program of study at another institution.

Note: Check with your college or university regarding acceptance of transfer credits from UMass Lowell prior to registering for your course.

To speak with one of our advisors about taking a course at UMass Lowell and counting it towards your degree at another college or university, call (978)934-2474.

## New Coming This Fall '07 – New Blended Program

### EARN A MASTER'S DEGREE OR GRADUATE CERTIFICATE IN HEALTH MANAGEMENT & POLICY

#### CONCENTRATIONS INCLUDE:

Health Management

Health Informatics

Health Policy

Program will be available in a blended format. All courses in the program feature a blend of on-campus and online sessions. Get the best of both worlds in ONE class with UMass Lowell's new blended program in Health Management & Policy.

#### Yankee Alliance Partnership

UMass Lowell's special partnership with Yankee Alliance allows students to take a 10% discount on tuition. Registration will begin in July.

Visit our website at <http://continuinged.uml.edu/> for more information or call 978-934-2141.

## MUSIC EDUCATION PROGRAMS

SUMMER  
2007

JUNE TO AUGUST 2007

#### GRADUATE CREDIT COURSES:

- Intro to World Percussion
- Music as a Way of Knowing

#### NONCREDIT COURSES:

- Guitar for General Music Teachers
- Advanced World Percussion
- The World Sings

For more information contact Donna Nagle at [nagled@mail.weston.org](mailto:nagled@mail.weston.org) or visit <http://continuinged.uml.edu>

## Experienced Photographers & Advanced Photography Students

### Study Under the Guidance of World-Renowned Photographer Arno Rafael Minkinen 2007 SUMMER WORKSHOPS FOR DIRECTED STUDIES CREDIT

#### Spirit Level III

Finnish-American Photography Workshop  
UMass Lowell and Lahti Institute  
of Design  
OAXACA, MEXICO  
May 15 – May 21, 2007  
CRS# 70.494-011

#### "Seeing From Within"

Fotobrygga Workshops  
LOFOTEN, NORWAY  
May 23 – May 28, 2007  
CRS# 70.494-012

#### Staying Contemporary and Modern Just the Same

Maine Photographic Workshops  
ROCKPORT, MAINE  
June 10 – 16, 2007  
CRS# 70.494-013

#### The Birth of an Image

Fine Arts Work Center  
PROVINCETOWN, CAPE COD  
June 24 – 29, 2007  
CRS# 70.494-014

#### In Search of the Center

Toscana Photographic Workshops  
TUSCANY, ITALY  
July 22 – 28, 2007  
CRS# 70.494-022

#### Building a Body of Work

Creative Photography Workshop  
VILNIUS, LITHUANIA  
July 30 – August 5, 2007  
CRS# 70.494-023

Additional travel, tuition, and housing fees may apply. Students interested in these workshops should contact Professor Minkinen directly at [Arno\\_Minkinen@uml.edu](mailto:Arno_Minkinen@uml.edu) for additional information.

UMass Lowell Summer Courses — Bringing You One Step Closer to Your Degree!

## REGISTRATION FORM FOR COURSES

Note: Please remember to fill in your work, home phone numbers and email address. This will allow us to reach you in case of class cancellations.

### University of Massachusetts Lowell

Registrar's Office (978) 934-2480

883 Broadway St, Dugan 104, Lowell, MA 01854-5104

PLEASE USE INK AND PRINT

#### CHECK APPROPRIATE REGISTRATION STATUS:

☐ Undergraduate Credit ☐ Graduate Credit ☐ Noncredit

Citizenship ☐ US ☐ Other

International Students – Type of Visa (if not U.S. citizen): \_\_\_\_\_

H1\_\_\_ H4\_\_\_ J2\_\_\_ L1\_\_\_ L2\_\_\_ TN\_\_\_ TD\_\_\_

Student ID/SSN# (for new students only): \_\_\_\_\_

Name \_\_\_\_\_

Street & No. \_\_\_\_\_

City & State \_\_\_\_\_ Zip Code \_\_\_\_\_

Date \_\_\_\_\_

Gender ☐ M ☐ F

Work phone \_\_\_\_\_

Home phone \_\_\_\_\_

Email \_\_\_\_\_

Company name \_\_\_\_\_

Street address \_\_\_\_\_

City & State \_\_\_\_\_ Zip Code \_\_\_\_\_

Change of name or address since last registration? ☐ yes ☐ no

Former name \_\_\_\_\_

Will you be using veteran benefits? ☐ yes ☐ no

State/Active Duty \_\_\_\_\_ G.I. Bill \_\_\_\_\_

#### COURSES FOR WHICH YOU ARE REGISTERING

ISIS Class No.	Course Number	Course Title	Credits/Contact Hrs.
		SUMMER I	
		SUMMER II	

#### Tuition and Fees

##### Tuition

##### Registration Fee (\$30 per Term)

Total \$

Please do not send payment. You will be billed for tuition and fees by the University.

Confirmation of your registration will be under your account at <http://isis.uml.edu>. (A user ID and password will be sent to you by mail upon receipt of your registration.)

#### Verification of Baccalaureate Degree:

Only for students who are not matriculated into a Graduate Program and are registering for Graduate courses. An unofficial transcript must be submitted within 30 days of registration.

Institution

Major

Degree Earned

Degree Date